

**ANATOMIC  
PATHOLOGY**

**Catalog 2024**

**Recombinant**

**Rabbit**

**Monoclonals**



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quartett

ANTIBODY

DETECTION

REAGENTS

## ABOUT US

Founded 1986 in Berlin/Germany as a family-run biotechnology company quartett is committed to the fight against cancer and wants to contribute better cancer diagnosis. Specialized in two areas, we produce synthetic peptides for the pharmaceutical industry and research, as well as antibodies for anatomic pathology/IHC.



Our new company building

Our first manufacturing site was founded in 1997. In 2023, we moved into our new company building including an area of 800 sqm laboratory space. Our certified production site (ISO 9001, ISO 13485) guarantees products of highest quality. All products are solely developed and manufactured in Germany.

## Biochemicals

The company specialized its product profile in the production and modification of synthetic peptides with HPLC purity > 95 % (protease inhibitors, peptides for antibody production).

The success of our purely synthetically produced peptides enabled us to develop a new technology for the production of recombinant rabbit monoclonal antibodies.

## Anatomic pathology

Second expertise is the production of rabbit and mouse monoclonal antibodies for anatomic pathology as well as ancillary IHC reagents optimized for any automated staining platform and manual staining. With our novel recombinant rabbit monoclonal antibody production process, we are one of the few companies in the world capable of doing this. Normally, almost all antibodies are produced using mice. But the immune system of a rabbit is far superior to that of a mouse. So we can manufacture highly specific and sensitive antibodies that are valuable for cancer diagnosis.

## YOUR ADVANTAGES

### **IVDR**

IVDR certification in progress. Expected to be finished beginning 2024.  
For details, please contact [service@quartett.com](mailto:service@quartett.com).

### **100 % made in Germany**

All products are exclusively developed and manufactured in Germany.

### **NordiQC rating**

External quality assessments by NordiQC, an international proficiency testing program for diagnostic IHC.

### **Free samples**

Convince yourself of our excellent product quality and ask for free samples.

### **Short delivery times**

International orders are usually shipped within 48 hours, national orders within 24 hours.

### **Unbeatable price/performance ratio**

Products at fair prices to make diagnostics not dependent on financial means.

## CERTIFICATES

### **ISO 9001:2015**

Quality management systems - Requirements

### **EN ISO 13485:2016**

Medical devices - Quality management systems - Requirements for regulatory purposes

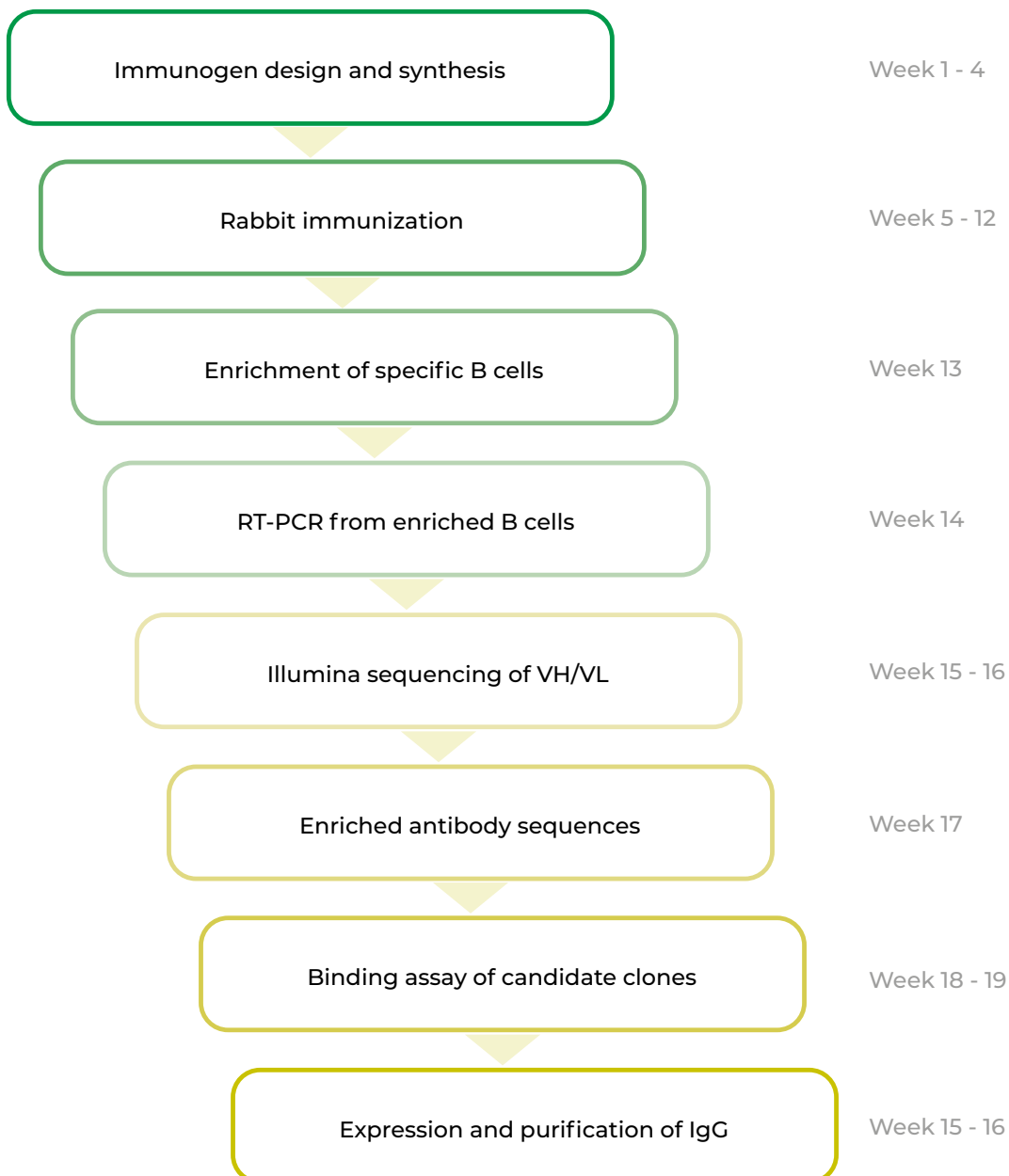
# PRIMARY ANTIBODIES

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# RECOMBINANT RABBIT MONOCLONAL TECHNOLOGY

After several years of intensive research quartett has finalized its unique recombinant rabbit monoclonal development technique.

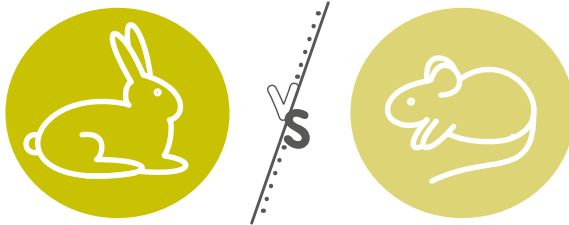
The production of recombinant rabbit monoclonal antibodies - named Q clones - is based on two antibody-encoding DNA plasmids that encode the heavy chain and the light chain of the monoclonal antibody, respectively. Both DNA plasmids are transiently transfected into suspension culture cells that subsequently produce the antibody and secrete it into the cell culture medium. After removal of the cells, the cleared cell culture supernatant is used to purify the Q clone antibody as a raw starting material. Please learn more about our new technology:



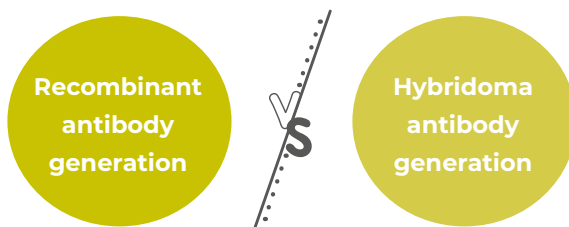
# ADVANTAGES OF RECOMBINANT RABBIT MONOCLONALS

The recombinant rabbit monoclonals - named Q clones - combine the best properties of both mouse monoclonal antibodies and rabbit polyclonal antibodies, therefore providing a broader diagnostic potential. Please see all advantages of our novel recombinant rabbit monoclonals.

## ANTIBODY



- ▶ High affinity due to rabbit origin allowing greater sensitivity in assays, as the antibodies bind strongly to the antigen and maintain this bond better under difficult conditions compared to low-affinity antibodies
- ▶ High specificity and reduced risk of cross reactivity due to monoclonal nature
- ▶ High diversity due to superior antigen/epitope recognition
- ▶ Recognize antigens/epitopes that elicit a poor response in mice
- ▶ Improved immune response to small-size epitopes
- ▶ Greatly improved response to mouse antigens
- ▶ Reduced background staining



- ▶ Highly consistent, specific and sensitive due to avoidance of gene loss, gene mutations, or cell-line drift
- ▶ Controlled and reliable antibody production due to development from a unique set of genes
- ▶ Greater consistency from lot to lot giving highly reproducible results and a guaranteed long-term supply
- ▶ High-throughput in vitro manufacture making them easier to be standardisedAntibody expression can be carried out at any scale

### Literature

- [1] Weber J, Peng H and Rader C (2017). *Exp Mol Med*. 49(3):e305.
- [2] Spieker-Polet H, Sethupathi P, Yam PC and Knight KL (1995). *Proc Natl Acad Sci U S A*. 92(20):9348-52.
- [3] Ramos-Vara JA (2005). *Vet Pathol*. 42(4):405-26.
- [4] Basu K, Green EM, Cheng Y and Craik CS (2019). *Curr Opin Biotechnol*. 60:153-8.



# ANTIBODY PANELS



## Breast pathology

Beta-Catenin	QR095
CD99	QR067
CK5	QR027
CK5/6	QR027/QR028
CK5/14	QR027/QR057
CK7	QR049
CK8	QR112
CK14	QR057
Cyclin D1	QR022
E-Cadherin	QR035
Estrogen receptor	QR013

GATA3	QR018
GLUT1	QR082
Her2/Neu	QR003
Ki-67	QR015
Mammaglobin	QR080
PAX8	QR016
p53	QR025
p63	QR007
PD-L1	QR001
Progesterone receptor	QR014
PTEN	QR042

ANTIBODY



## Dermatopathology

CD3	QR004
CD34	QR093
CK5/6	QR027/QR028
CK14	QR057
Cyclin D1	QR022
Desmin	QR026
Factor XIIIa	QR086
Ki-67	QR015
Melan A	A103
Melanoma	HMB-45

MLH1	QM003
p53	QR025
PMS2	QR009
Podoplanin	QR048
PRAME	QR005
S100B	QR031
SOX10	QR006
Synaptophysin	QR054
Vimentin	QR097



## Gastrointestinal (GI) pathology

Beta-Catenin	QR095
Cadherin 17	QR098
CD34	QR093
CD117	QR012
CDX2	QR045
CK7	QR049
CK20	Ks20.8
Cyclin D1	QR022
E-Cadherin	QR035

Glutamine synthetase	QR090
H. pylori	QR091
MLH1	QM003
MSH2	QR010
MSH6	QR011
p21	QR085
p53	QR025
PMS2	QR009
SATB2	QR023



## Gynecological pathology

Bcl2	QR062
Beta-Catenin	QR095
CD10	QR021
CD117	QR012
GLUT1	QR082
MSH2	QR010

MSH6	QR011
PLAP	QR084
PMS2	QR009
Progesterone receptor	QR014
TTF1	QR046



## Hematopathology

ALK	QR017
Bcl2	QR062
Bcl6	QR047
BOB.1	QR072
c-Myc	QR061
CD3	QR004
CD4	QR032
CD5	QR111
CD8	QR068
CD10	QR021
CD20	QR094
CD21	QR076
CD23	QR036
CD34	QR093
CD45	QR106
CD56	QR044

CD71	QR073
CD79a	QR033
CD99	QR067
CD138	QR102
Cyclin D1	QR022
IgA	QR050
IgG4	QR092
Kappa light chain	QR051
Ki-67	QR015
Lambda light chain	QR052
MPO	QR101
MUM1	QR075
PAX5	QR056
PD-1	QR002
TdT	QR037



## Prostate pathology

Bcl2	QR062
c-Myc	QR061
Cyclin D1	QR022
CK5	QR027
CK5/6	QR027/QR028
CK5/6/ERG	QR027/QR028/QR040
CK5/14	QR027/QR057
CK6	QR028
CK7	QR049
CK14	QR057

CK20	Ks20.8
ERG	QR040
Ki-56	QR015
NKX3.1	QR055
p53	QR025
p63	QR007
PSA	QR038
PSMA	QR079
PTEN	QR042



## Lung pathology

ALK	QR017
c-Myc	QR061
CD56	QR044
Chromogranin A	QR096
CK5	QR027
CK5/6	QR027/QR028
CK5/14	QR027/QR057
CK6	QR028
CK7	QR049
CK14	QR057
CK20	Ks20.8
E-Cadherin	QR035
GLUT1	QR082

Ki-67	QR015
Napsin A	QR058
p21	QR085
p40	QR020
p53	QR025
p63	QR007
PD-L1	QR001
S100B	QR031
SOX10	QR006
Synaptophysin	QR054
pan-TRK	QR008
TTF1	QR046
WT1	QR030



## Neuropathology

CD56	QR044
Chromogranin A	QR096
IDH1 R132H	QM002

NSE	QR104
Synaptophysin	QR054
pan-TRK	QR008



## Urinary pathology

NKX3.1	QR055
PAX2	QR060
PAX8	QR016

PSA	QR038
PSMA	QR079
SALL4	QR024

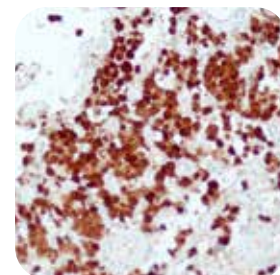
# PRIMARY ANTIBODIES IN ALPHABETIC ORDER

quartett provides a wide range of primary antibodies solely manufactured in our production facility located in Potsdam/Germany including the previously mentioned recombinant rabbit monoclonals. The line of Q clones also contains mouse monoclonals with extraordinary specificity and sensitivity. Next to Q clones, quartett offers some well characterized mouse monoclonals derived from hybridoma cell lines that are used in routine pathology institutes for many years and are explicitly optimized for its intended use in IHC on human FFPE tissues.

## ANTIBODY

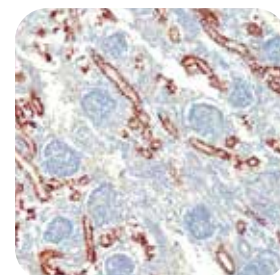
### ALK (QR017)

Class:	IVD(R)	C-A001-01 / 0.1 ml conc.
Host:	Rabbit	C-A001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-A001-10 / 1 ml conc.
Localization:	Cytoplasmic, nuclear	P-A001-30 / 3 ml RTU
Control:	ALCL, lung adenocarcinoma with ALK translocation	P-A001-70 / 7 ml RTU P-A001-150 / 15 ml RTU



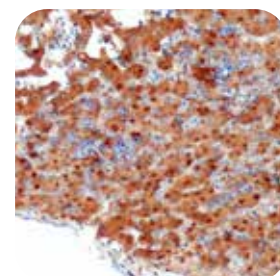
### AMACR (QR108)

Class:	IVD(R)	C-A004-01 / 0.1 ml conc.
Host:	Rabbit	C-A004-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-A004-10 / 1 ml conc.
Localization:	Cytoplasmic	P-A004-30 / 3 ml RTU
Control:	Kidney, prostate carcinoma	P-A004-70 / 7 ml RTU P-A004-150 / 15 ml RTU
Please note:	Release estimated in spring 2024.	



### Arginase-1 (QR083)

Class:	IVD(R)	C-A003-01 / 0.1 ml conc.
Host:	Rabbit	C-A003-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-A003-10 / 1 ml conc.
Localization:	Cytoplasmic, nuclear	P-A003-30 / 3 ml RTU
Control:	Liver, hepatocellular carcinoma	P-A003-70 / 7 ml RTU P-A003-150 / 15 ml RTU



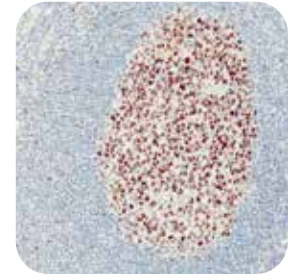
### Bcl2 (QR062)

Class:	IVD(R)	C-B001-01 / 0.1 ml conc.
Host:	Rabbit	C-B001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-B001-10 / 1 ml conc.
Localization:	Cytoplasmic	P-B001-30 / 3 ml RTU
Control:	Tonsil	P-B001-70 / 7 ml RTU P-B001-150 / 15 ml RTU

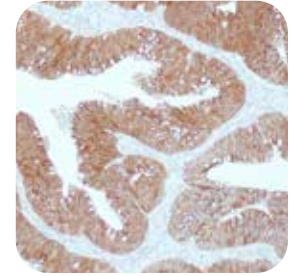


**Bcl6 (QR047)**

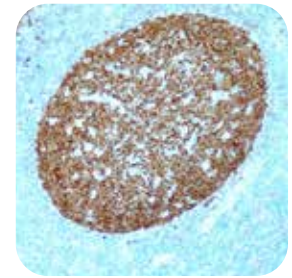
Class:	IVD(R)	C-B002-01 / 0.1 ml conc.
Host:	Rabbit	C-B002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-B002-10 / 1 ml conc.
Localization:	Nuclear	P-B002-30 / 3 ml RTU
Control:	Tonsil, lymph node, diffuse large B-cell lymphoma	P-B002-70 / 7 ml RTU P-B002-150 / 15 ml RTU

**Beta-Catenin (QR095)**

Class:	IVD(R)	C-B004-01 / 0.1 ml conc.
Host:	Rabbit	C-B004-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-B004-10 / 1 ml conc.
Localization:	Nuclear, cytoplasmic, membranous	P-B004-30 / 3 ml RTU
Control:	Abdomen, fibromatosis of breast	P-B004-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-B004-150 / 15 ml RTU

**BOB.1 (QR072)**

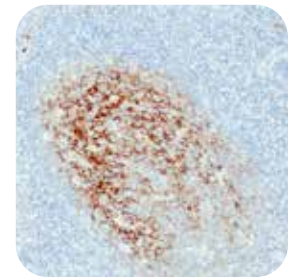
Class:	IVD(R)	C-B003-01 / 0.1 ml conc.
Host:	Rabbit	C-B003-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-B003-10 / 1 ml conc.
Localization:	Nuclear, cytoplasmic	P-B003-30 / 3 ml RTU
Control:	Tonsil, lymphoma	P-B003-70 / 7 ml RTU P-B003-150 / 15 ml RTU

**c-Myc (QR061)**

Class:	IVD(R)	C-C018-01 / 0.1 ml conc.
Host:	Rabbit	C-C018-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C018-10 / 1 ml conc.
Localization:	Nuclear, cytoplasmic	P-C018-30 / 3 ml RTU
Control:	Burkitt lymphoma	P-C018-70 / 7 ml RTU P-C018-150 / 15 ml RTU

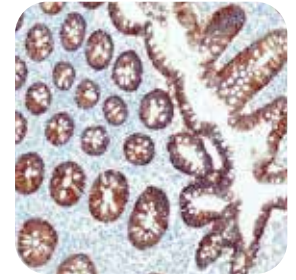
**C4d (QR053)**

Class:	IVD(R)	C-C001-01 / 0.1 ml conc.
Host:	Rabbit	C-C001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C001-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-C001-30 / 3 ml RTU
Control:	Tonsil, lymph node, acute rejected kidney transplant	P-C001-70 / 7 ml RTU P-C001-150 / 15 ml RTU

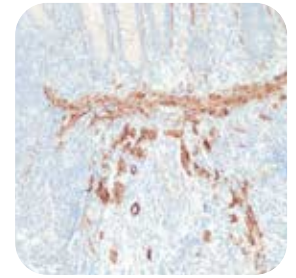


**Cadherin 17 (QR098)**

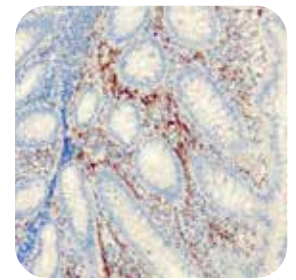
Class:	IVD(R)	C-C036-01 / 0.1 ml conc.
Host:	Rabbit	C-C036-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C036-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-C036-30 / 3 ml RTU
Control:	Colon, colorectal adenocarcinoma	P-C036-70 / 7 ml RTU
		P-C036-150 / 15 ml RTU

**Caldesmon (QR063)**

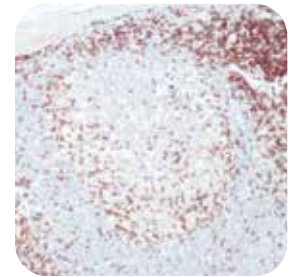
Class:	IVD(R)	C-C029-01 / 0.1 ml conc.
Host:	Rabbit	C-C029-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C029-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C029-30 / 3 ml RTU
Control:	Uterus	P-C029-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-C029-150 / 15 ml RTU

**Calretinin (QR059)**

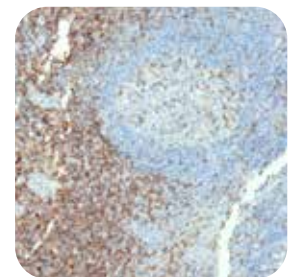
Class:	IVD(R)	C-C023-01 / 0.1 ml conc.
Host:	Rabbit	C-C023-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C023-10 / 1 ml conc.
Localization:	Nuclear, cytoplasmic	P-C023-30 / 3 ml RTU
Control:	Mesothelioma	P-C023-70 / 7 ml RTU
		P-C023-150 / 15 ml RTU

**CD3e (QR004)**

Class:	IVD(R)	C-C002-01 / 0.1 ml conc.
Host:	Rabbit	C-C002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C002-10 / 1 ml conc.
Localization:	Membranous	P-C002-30 / 3 ml RTU
Control:	Tonsil, appendix	P-C002-70 / 7 ml RTU
		P-C002-150 / 15 ml RTU

**CD4 (QR032)**

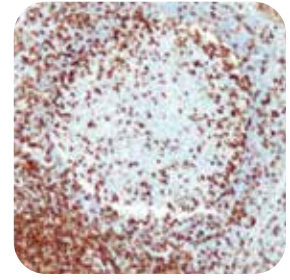
Class:	IVD(R)	C-C012-01 / 0.1 ml conc.
Host:	Rabbit	C-C012-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C012-10 / 1 ml conc.
Localization:	Membranous	P-C012-30 / 3 ml RTU
Control:	Tonsil	P-C012-70 / 7 ml RTU
		P-C012-150 / 15 ml RTU



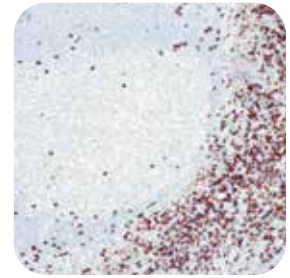


**CD5 (QR11)**

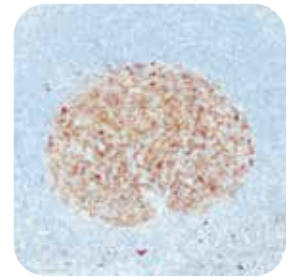
Class:	IVD(R)	C-C039-01 / 0.1 ml conc.
Host:	Rabbit	C-C039-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C039-10 / 1 ml conc.
Localization:	Membranous	P-C039-30 / 3 ml RTU
Control:	Tonsil	P-C039-70 / 7 ml RTU
		P-C039-150 / 15 ml RTU

**CD8 (QR068)**

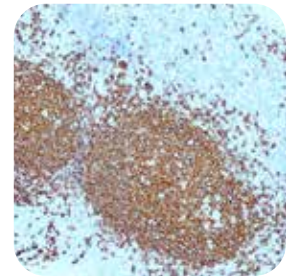
Class:	IVD(R)	C-C026-01 / 0.1 ml conc.
Host:	Rabbit	C-C026-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C026-10 / 1 ml conc.
Localization:	Membranous	P-C026-30 / 3 ml RTU
Control:	Tonsil, lymph node, appendix	P-C026-70 / 7 ml RTU
		P-C026-150 / 15 ml RTU

**CD10 (QR021)**

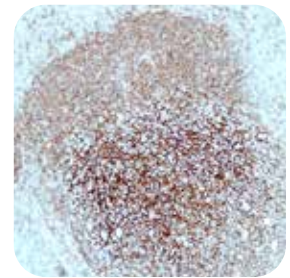
Class:	IVD(R)	C-C006-01 / 0.1 ml conc.
Host:	Rabbit	C-C006-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C006-10 / 1 ml conc.
Localization:	Membranous	P-C006-30 / 3 ml RTU
Control:	Tonsil, lymph node, follicular lymphoma	P-C006-70 / 7 ml RTU
		P-C006-150 / 15 ml RTU

**CD20 (QR094)**

Class:	IVD(R)	C-C015-01 / 0.1 ml conc.
Host:	Rabbit	C-C015-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C015-10 / 1 ml conc.
Localization:	Membranous	P-C015-30 / 3 ml RTU
Control:	Tonsil, lymph node, appendix	P-C015-70 / 7 ml RTU
		P-C015-150 / 15 ml RTU

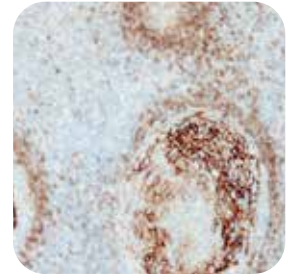
**CD21 (QR076)**

Class:	IVD(R)	C-C030-01 / 0.1 ml conc.
Host:	Rabbit	C-C030-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C030-10 / 1 ml conc.
Localization:	Membranous	P-C030-30 / 3 ml RTU
Control:	Tonsil, lymph node	P-C030-70 / 7 ml RTU
		P-C030-150 / 15 ml RTU



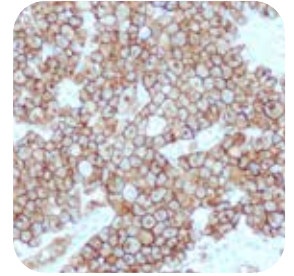
**CD23 (QR036)**

Class:	IVD(R)	C-C013-01 / 0.1 ml conc.
Host:	Rabbit	C-C013-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C013-10 / 1 ml conc.
Localization:	Membranous	P-C013-30 / 3 ml RTU
Control:	Tonsil, lymph node	P-C013-70 / 7 ml RTU
		P-C013-150 / 15 ml RTU



**CD30 (QR109)**

Class:	IVD(R)	C-C044-01 / 0.1 ml conc.
Host:	Rabbit	C-C044-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C044-10 / 1 ml conc.
Localization:	Membranous	P-C044-30 / 3 ml RTU
Control:	Tonsil, anaplastic large cell lymphoma, Hodgkin's lymphoma	P-C044-70 / 7 ml RTU
		P-C044-150 / 15 ml RTU



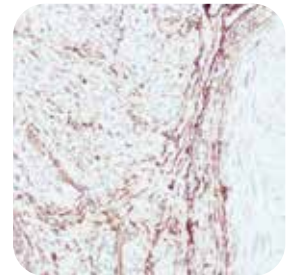
**CD31 (QR034)**

Class:	IVD(R)	C-C031-01 / 0.1 ml conc.
Host:	Rabbit	C-C031-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C031-10 / 1 ml conc.
Localization:	Membranous	P-C031-30 / 3 ml RTU
Control:	Tonsil, liver	P-C031-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-C031-150 / 15 ml RTU



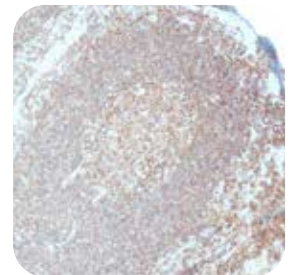
**CD34 (QR093)**

Class:	IVD(R)	C-C019-01 / 0.1 ml conc.
Host:	Rabbit	C-C019-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C019-10 / 1 ml conc.
Localization:	Membranous	P-C019-30 / 3 ml RTU
Control:	Appendix, liver, placenta, tonsil	P-C019-70 / 7 ml RTU
		P-C019-150 / 15 ml RTU



**CD45/LCA (QR106)**

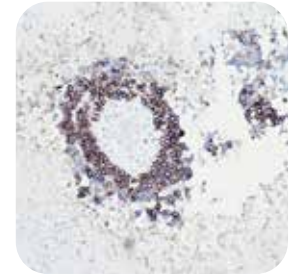
Class:	IVD(R)	C-C037-01 / 0.1 ml conc.
Host:	Rabbit	C-C037-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C037-10 / 1 ml conc.
Localization:	Membranous	P-C037-30 / 3 ml RTU
Control:	Tonsil, liver	P-C037-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-C037-150 / 15 ml RTU





**CD56 (QR044)**

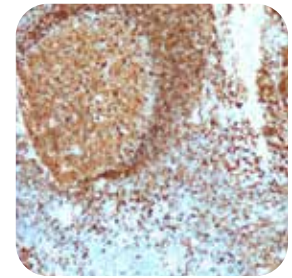
Class:	IVD(R)	C-C022-01 / 0.1 ml conc.
Host:	Rabbit	C-C022-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C022-10 / 1 ml conc.
Localization:	Membranous	P-C022-30 / 3 ml RTU
Control:	Neuroblastoma, tonsil	P-C022-70 / 7 ml RTU
		P-C022-150 / 15 ml RTU

**CD71 (QR073)**

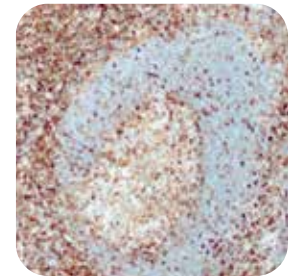
Class:	IVD(R)	C-C032-01 / 0.1 ml conc.
Host:	Rabbit	C-C032-05 / 0.5 ml conc.
Dilution:	1:50 - 1:100	C-C032-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-C032-30 / 3 ml RTU
Control:	Bone marrow	P-C032-70 / 7 ml RTU
		P-C032-150 / 15 ml RTU

**CD79a (QR033)**

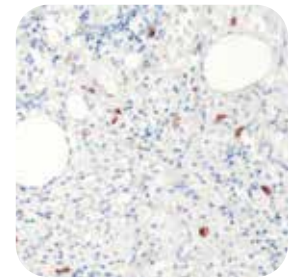
Class:	IVD(R)	C-C011-01 / 0.1 ml conc.
Host:	Rabbit	C-C011-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C011-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-C011-30 / 3 ml RTU
Control:	Tonsil, lymph node	P-C011-70 / 7 ml RTU
		P-C011-150 / 15 ml RTU

**CD99 (QR067)**

Class:	IVD(R)	C-C027-01 / 0.1 ml conc.
Host:	Rabbit	C-C027-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C027-10 / 1 ml conc.
Localization:	Membranous	P-C027-30 / 3 ml RTU
Control:	Ewing sarcoma, esophagus	P-C027-70 / 7 ml RTU
		P-C027-150 / 15 ml RTU

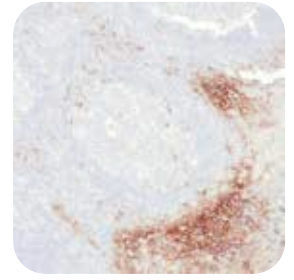
**CD117 (QR012)**

Class:	IVD(R)	C-C003-01 / 0.1 ml conc.
Host:	Rabbit	C-C003-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C003-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-C003-30 / 3 ml RTU
Control:	Appendix, GIST, skin, tonsil	P-C003-70 / 7 ml RTU
		P-C003-150 / 15 ml RTU

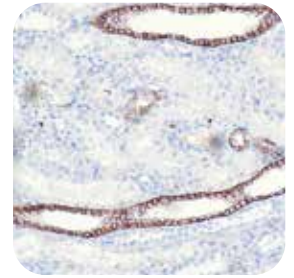


**CD138 (QR102)**

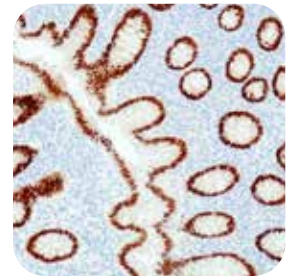
Class:	IVD(R)	C-C038-01 / 0.1 ml conc.
Host:	Rabbit	C-C038-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C038-10 / 1 ml conc.
Localization:	Membranous	P-C038-30 / 3 ml RTU
Control:	Tonsil	P-C038-70 / 7 ml RTU
		P-C038-150 / 15 ml RTU

**CD171/L1CAM (QR039)**

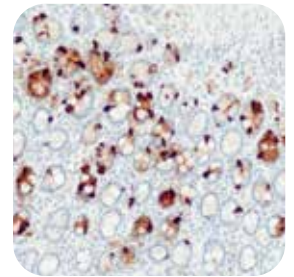
Class:	IVD(R)	C-C025-01 / 0.1 ml conc.
Host:	Rabbit	C-C025-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C025-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-C025-30 / 3 ml RTU
Control:	Kidney, gastric carcinoma	P-C025-70 / 7 ml RTU
		P-C025-150 / 15 ml RTU

**CDX2 (QR045)**

Class:	IVD(R)	C-C016-01 / 0.1 ml conc.
Host:	Rabbit	C-C016-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C016-10 / 1 ml conc.
Localization:	Nuclear	P-C016-30 / 3 ml RTU
Control:	Gastric adenocarcinoma, colon, colon adenocarcinoma	P-C016-70 / 7 ml RTU
		P-C016-150 / 15 ml RTU

**Chromogranin A (QR096)**

Class:	IVD(R)	C-C020-01 / 0.1 ml conc.
Host:	Rabbit	C-C020-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C020-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C020-30 / 3 ml RTU
Control:	Pancreas	P-C020-70 / 7 ml RTU
		P-C020-150 / 15 ml RTU

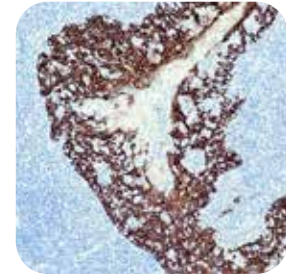
**Cyclin D1 (QR022)**

Class:	IVD(R)	C-C007-01 / 0.1 ml conc.
Host:	Rabbit	C-C007-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C007-10 / 1 ml conc.
Localization:	Nuclear	P-C007-30 / 3 ml RTU
Control:	Breast carcinomas, mantle cell lymphoma	P-C007-70 / 7 ml RTU
		P-C007-150 / 15 ml RTU

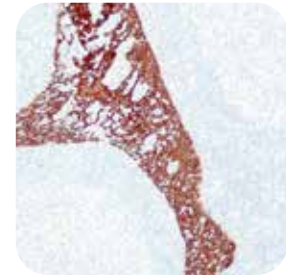


**Cytokeratin 5 (QR027)**

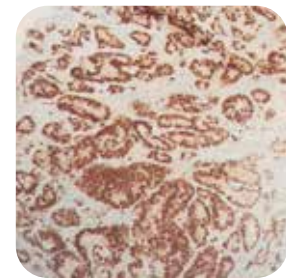
Class:	IVD(R)	C-C008-01 / 0.1 ml conc.
Host:	Rabbit	C-C008-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C008-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C008-30 / 3 ml RTU
Control:	Prostate, mesothelioma	P-C008-70 / 7 ml RTU
		P-C008-150 / 15 ml RTU

**Cytokeratin 5/6 (QR027 & QR028)**

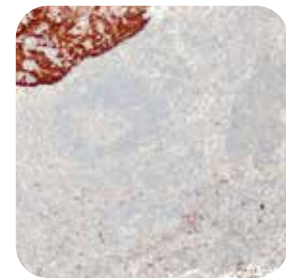
Class:	IVD(R)	C-C017-01 / 0.1 ml conc.
Host:	Rabbit	C-C017-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C017-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C017-30 / 3 ml RTU
Control:	Prostate, mesothelioma	P-C017-70 / 7 ml RTU
		P-C017-150 / 15 ml RTU

**Cytokeratin 5/6/ERG (QR027, QR028 & QR040)**

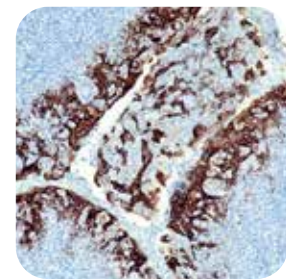
Class:	RUO	C-C024-01 / 0.1 ml conc.
Host:	Rabbit	C-C024-05 / 0.5 ml conc.
Dilution:	1:50 - 1:100	C-C024-10 / 1 ml conc.
Localization:	CK5/6: cytoplasmic, ERG: nuclear	P-C024-30 / 3 ml RTU
Control:	Mesothelioma, prostate, prostate adenocarcinoma	P-C024-70 / 7 ml RTU
		P-C024-150 / 15 ml RTU

**Cytokeratin 5/14 (QR027 & QR057)**

Class:	IVD(R)	C-C035-01 / 0.1 ml conc.
Host:	Rabbit	C-C035-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C035-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C035-30 / 3 ml RTU
Control:	Esophagus, squamous cell carcinoma	P-C035-70 / 7 ml RTU
		P-C035-150 / 15 ml RTU

**Cytokeratin 6 (QR028)**

Class:	IVD(R)	C-C009-01 / 0.1 ml conc.
Host:	Rabbit	C-C009-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C009-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-C009-30 / 3 ml RTU
Control:	Skin, squamous cell carcinoma	P-C009-70 / 7 ml RTU
		P-C009-150 / 15 ml RTU



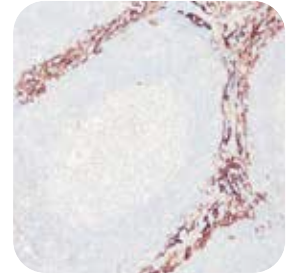
**Cytokeratin 7 (QR049)**

Class:	IVD(R)	C-C014-01 / 0.1 ml conc.
Host:	Rabbit	C-C014-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C014-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C014-30 / 3 ml RTU
Control:	Pancreas	P-C014-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-C014-150 / 15 ml RTU

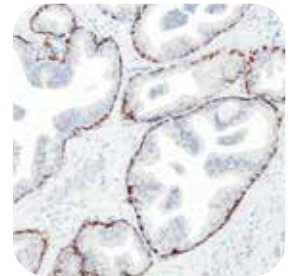
COMING  
SOON

**Cytokeratin 8 (QR112)**

Class:	IVD(R)	C-C040-01 / 0.1 ml conc.
Host:	Rabbit	C-C040-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C040-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C040-30 / 3 ml RTU
Control:	Liver	P-C040-70 / 7 ml RTU
		P-C040-150 / 15 ml RTU

**Cytokeratin 14 (QR057)**

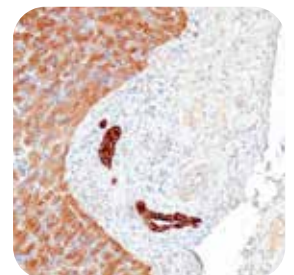
Class:	IVD(R)	C-C033-01 / 0.1 ml conc.
Host:	Rabbit	C-C033-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C033-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C033-30 / 3 ml RTU
Control:	Squamous carcinoma, skin, tonsil, prostate	P-C033-70 / 7 ml RTU
		P-C033-150 / 15 ml RTU

**Cytokeratin 20 (Ks20.8)**

Class:	IVD(R)	C-C005-01 / 0.1 ml conc.
Host:	Mouse	C-C005-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C005-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C005-30 / 3 ml RTU
Control:	Colon carcinoma	P-C005-70 / 7 ml RTU
		P-C005-150 / 15 ml RTU

**Cytokeratin pan (MNF-116)**

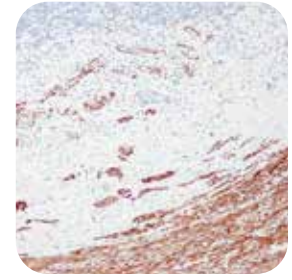
Class:	IVD(R)	C-C034-01 / 0.1 ml conc.
Host:	Mouse	C-C034-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-C034-10 / 1 ml conc.
Localization:	Cytoplasmic	P-C034-30 / 3 ml RTU
Control:	Liver	P-C034-70 / 7 ml RTU
		P-C034-150 / 15 ml RTU



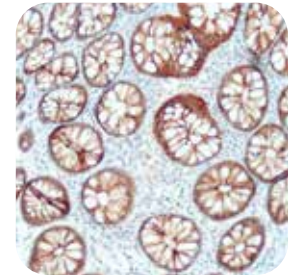


**Desmin (QR026)**

Class:	IVD(R)	C-D001-01 / 0.1 ml conc.
Host:	Rabbit	C-D001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-D001-10 / 1 ml conc.
Localization:	Cytoplasmic	P-D001-30 / 3 ml RTU
Control:	Skeletal muscle	P-D001-70 / 7 ml RTU
		P-D001-150 / 15 ml RTU

**E-Cadherin (QR035)**

Class:	IVD(R)	C-E004-01 / 0.1 ml conc.
Host:	Rabbit	C-E004-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-E004-10 / 1 ml conc.
Localization:	Membranous	P-E004-30 / 3 ml RTU
Control:	Liver, colon	P-E004-70 / 7 ml RTU
		P-E004-150 / 15 ml RTU

**EGFR (QR078)**

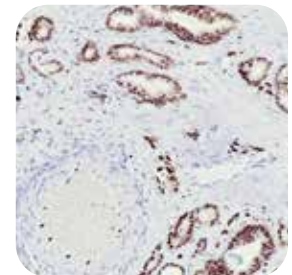
Class:	IVD(R)	C-E005-01 / 0.1 ml conc.
Host:	Rabbit	C-E005-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-E005-10 / 1 ml conc.
Localization:	Membranous, cytoplasmic	P-E005-30 / 3 ml RTU
Control:	Lung adenocarcinoma, tonsil	P-E005-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-E005-150 / 15 ml RTU

**EpCAM (QR107)**

Class:	IVD(R)	C-E006-01 / 0.1 ml conc.
Host:	Rabbit	C-E006-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-E006-10 / 1 ml conc.
Localization:	Membranous	P-E006-30 / 3 ml RTU
Control:	Tonsil, kidney	P-E006-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-E006-150 / 15 ml RTU

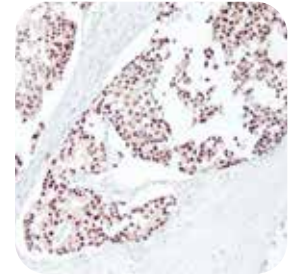
**ERG (QR040)**

Class:	IVD(R)	C-E003-01 / 0.1 ml conc.
Host:	Rabbit	C-E003-05 / 0.5 ml conc.
Dilution:	1:50 - 1:100	C-E003-10 / 1 ml conc.
Localization:	Nuclear	P-E003-30 / 3 ml RTU
Control:	Prostate adenocarcinoma, hemangioma	P-E003-70 / 7 ml RTU
		P-E003-150 / 15 ml RTU

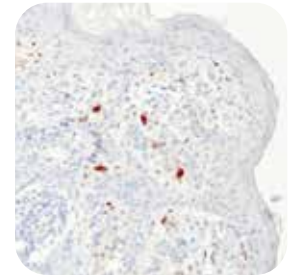


**Estrogen receptor (QR013)**

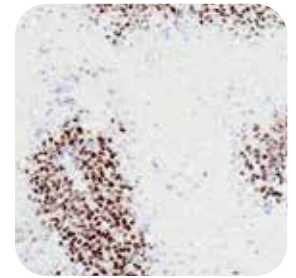
Class:	IVD(R)	C-E001-01 / 0.1 ml conc.
Host:	Rabbit	C-E001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-E001-10 / 1 ml conc.
Localization:	Nuclear	P-E001-30 / 3 ml RTU
Control:	Breast carcinoma, breast	P-E001-70 / 7 ml RTU
		P-E001-150 / 15 ml RTU

**Factor XIIIa (QR086)**

Class:	IVD(R)	C-F001-01 / 0.1 ml conc.
Host:	Rabbit	C-F001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-F001-10 / 1 ml conc.
Localization:	Cytoplasmic	P-F001-30 / 3 ml RTU
Control:	Dermatofibroma	P-F001-70 / 7 ml RTU
		P-F001-150 / 15 ml RTU

**GATA3 (QR018)**

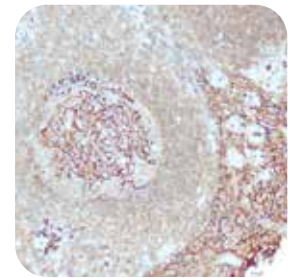
Class:	IVD(R)	C-G001-01 / 0.1 ml conc.
Host:	Rabbit	C-G001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-G001-10 / 1 ml conc.
Localization:	Nuclear	P-G001-30 / 3 ml RTU
Control:	Breast carcinoma, urothelial carcinoma	P-G001-70 / 7 ml RTU
		P-G001-150 / 15 ml RTU

**GFAP (QR066)**

Class:	IVD(R)	C-G002-01 / 0.1 ml conc.
Host:	Rabbit	C-G002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-G002-10 / 1 ml conc.
Localization:	Cytoplasmic	P-G002-30 / 3 ml RTU
Control:	Brain, astrocytoma	P-G002-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-G002-150 / 15 ml RTU

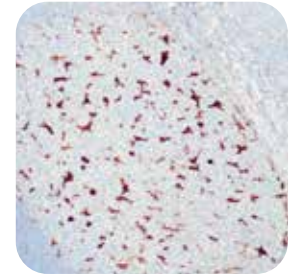
**GLUT1 (QR082)**

Class:	IVD(R)	C-G004-01 / 0.1 ml conc.
Host:	Rabbit	C-G004-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-G004-10 / 1 ml conc.
Localization:	Membranous	P-G004-30 / 3 ml RTU
Control:	Colorectal carcinoma, malignant mesothelioma	P-G004-70 / 7 ml RTU
		P-G004-150 / 15 ml RTU

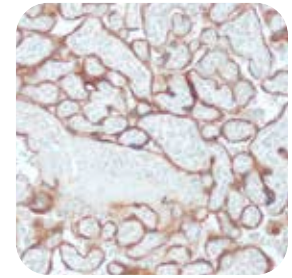


**Glutamine synthetase (QR090)**

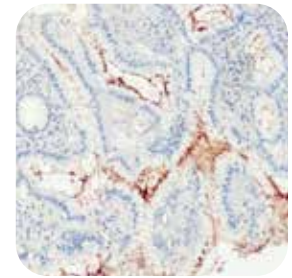
Class:	IVD(R)	C-G003-01 / 0.1 ml conc.
Host:	Rabbit	C-G003-05 / 0.5 ml conc.
Dilution:	1:50 - 1:200	C-G003-10 / 1 ml conc.
Localization:	Cytoplasmic	P-G003-30 / 3 ml RTU
Control:	Hepatocellular carcinoma, liver	P-G003-70 / 7 ml RTU
		P-G003-150 / 15 ml RTU

**Glypican 3 (QR103)**

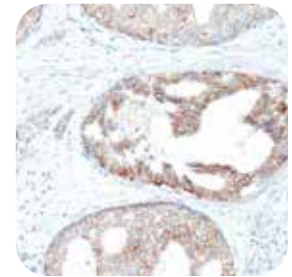
Class:	IVD(R)	C-G005-01 / 0.1 ml conc.
Host:	Rabbit	C-G005-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-G005-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-G005-30 / 3 ml RTU
Control:	Hepatocellular carcinoma	P-G005-70 / 7 ml RTU
		P-G005-150 / 15 ml RTU

**Helicobacter pylori (QR091)**

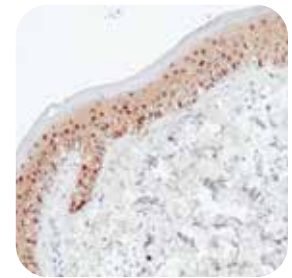
Class:	IVD(R)	C-H003-01 / 0.1 ml conc.
Host:	Rabbit	C-H003-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-H003-10 / 1 ml conc.
Localization:	Cell wall	P-H003-30 / 3 ml RTU
Control:	H. Pylori infected stomach	P-H003-70 / 7 ml RTU
		P-H003-150 / 15 ml RTU

**Her2/Neu (QR003)**

Class:	IVD(R)	C-H001-01 / 0.1 ml conc.
Host:	Rabbit	C-H001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-H001-10 / 1 ml conc.
Localization:	Membranous	P-H001-30 / 3 ml RTU
Control:	Breast carcinomas	P-H001-70 / 7 ml RTU
		P-H001-150 / 15 ml RTU

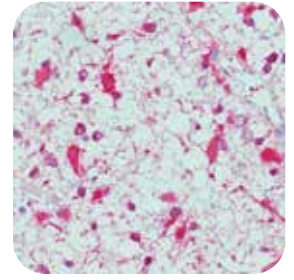
**HSP70 (QR087)**

Class:	IVD(R)	C-H002-01 / 0.1 ml conc.
Host:	Rabbit	C-H002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-H002-10 / 1 ml conc.
Localization:	Nuclear, cytoplasmic	P-H002-30 / 3 ml RTU
Control:	Hepatocellular carcinoma	P-H002-70 / 7 ml RTU
		P-H002-150 / 15 ml RTU



**IDH1 R132H (QM002)**

Class:	IVD(R)	C-I001-01 / 0.1 ml conc.
Host:	Mouse	C-I001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-I001-10 / 1 ml conc.
Localization:	Cytoplasmic	P-I001-30 / 3 ml RTU
Control:	Oligodendroglioma, diffuse astrocytoma, glioblastoma	P-I001-70 / 7 ml RTU P-I001-150 / 15 ml RTU



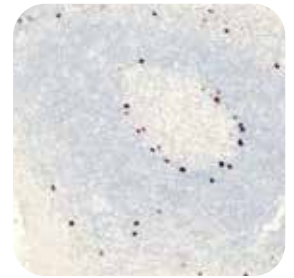
**IgA (QR050)**

Class:	IVD(R)	C-I003-01 / 0.1 ml conc.
Host:	Rabbit	C-I003-05 / 0.5 ml conc.
Dilution:		C-I003-10 / 1 ml conc.
Localization:	Cytoplasmic	P-I003-30 / 3 ml RTU
Control:	Tonsil	P-I003-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-I003-150 / 15 ml RTU



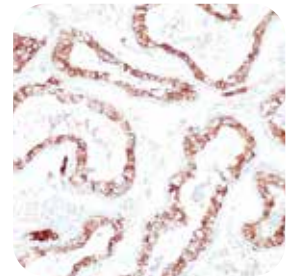
**IgG4 (QR092)**

Class:	IVD(R)	C-I005-01 / 0.1 ml conc.
Host:	Rabbit	C-I005-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-I005-10 / 1 ml conc.
Localization:	Cytoplasmic	P-I005-30 / 3 ml RTU
Control:	Tonsil	P-I005-70 / 7 ml RTU P-I005-150 / 15 ml RTU



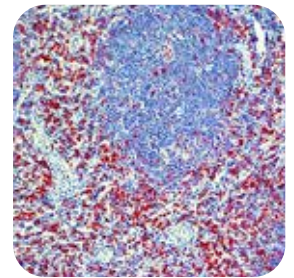
**Inhibin alpha (QR088)**

Class:	IVD(R)	C-I004-01 / 0.1 ml conc.
Host:	Rabbit	C-I004-05 / 0.5 ml conc.
Dilution:	1:50 - 1:200	C-I004-10 / 1 ml conc.
Localization:	Cytoplasmic	P-I004-30 / 3 ml RTU
Control:	Adrenal cortex, corpus luteum, placenta, testis	P-I004-70 / 7 ml RTU P-I004-150 / 15 ml RTU



**IRTA1 (QM005)**

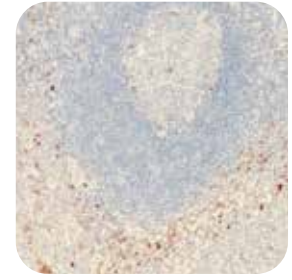
Class:	IVD(R)	C-I002-01 / 0.1 ml conc.
Host:	Mouse	C-I002-05 / 0.5 ml conc.
Dilution:	1:50 - 1:200	
Localization:	Membranous	
Control:	Tonsil, marginal zone lymphoma	



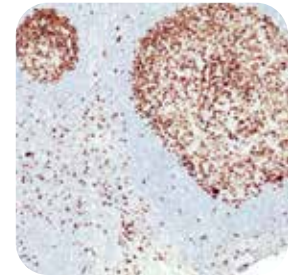


**Kappa light chain (QR051)**

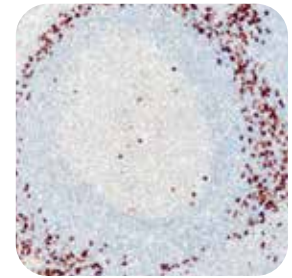
Class:	IVD(R)	C-K002-01 / 0.1 ml conc.
Host:	Rabbit	C-K002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-K002-10 / 1 ml conc.
Localization:	Cytoplasmic	P-K002-30 / 3 ml RTU
Control:	Tonsil, lymph node	P-K002-70 / 7 ml RTU
		P-K002-150 / 15 ml RTU

**Ki-67 (QR015)**

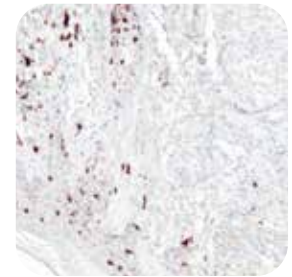
Class:	IVD(R)	C-K001-01 / 0.1 ml conc.
Host:	Rabbit	C-K001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-K001-10 / 1 ml conc.
Localization:	Nuclear	P-K001-30 / 3 ml RTU
Control:	Tonsil, lymphoma	P-K001-70 / 7 ml RTU
		P-K001-150 / 15 ml RTU

**Lambda light chain (QR052)**

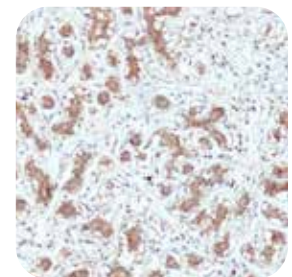
Class:	IVD(R)	C-L001-01 / 0.1 ml conc.
Host:	Rabbit	C-L001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-L001-10 / 1 ml conc.
Localization:	Cytoplasmic	P-L001-30 / 3 ml RTU
Control:	Tonsil	P-L001-70 / 7 ml RTU
		P-L001-150 / 15 ml RTU

**Langerin (QR065)**

Class:	IVD(R)	C-L002-01 / 0.1 ml conc.
Host:	Rabbit	C-L002-05 / 0.5 ml conc.
Dilution:	1:50 - 1:200	C-L002-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-L002-30 / 3 ml RTU
Control:	Skin, Langerhans cell histiocytosis	P-L002-70 / 7 ml RTU
		P-L002-150 / 15 ml RTU

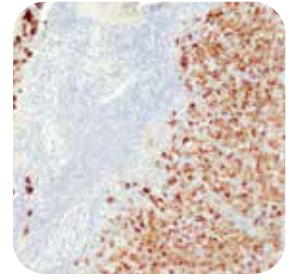
**Mammaglobin (QR080)**

Class:	IVD(R)	C-M006-01 / 0.1 ml conc.
Host:	Rabbit	C-M006-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-M006-10 / 1 ml conc.
Localization:	Cytoplasmic	P-M006-30 / 3 ml RTU
Control:	Breast cancer, breast	P-M006-70 / 7 ml RTU
		P-M006-150 / 15 ml RTU

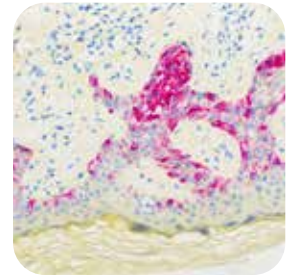


**Melan A (A103)**

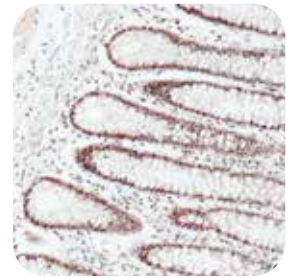
Class:	IVD(R)	C-M002-01 / 0.1 ml conc.
Host:	Mouse	C-M002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:500	C-M002-10 / 1 ml conc.
Localization:	Cytoplasmic	P-M002-30 / 3 ml RTU
Control:	Melanoma, normal skin	P-M002-70 / 7 ml RTU
		P-M002-150 / 15 ml RTU

**Melanoma (HMB-45)**

Class:	IVD(R)	C-M003-01 / 0.1 ml conc.
Host:	Mouse	C-M003-05 / 0.5 ml conc.
Dilution:	1:100 - 1:500	C-M003-10 / 1 ml conc.
Localization:	Cytoplasmic	P-M003-30 / 3 ml RTU
Control:	Melanoma	P-M003-70 / 7 ml RTU
		P-M003-150 / 15 ml RTU

**MLH1 (QM003)**

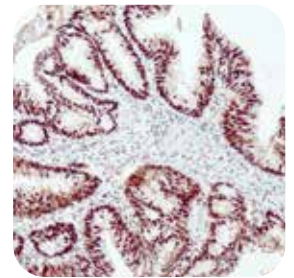
Class:	IVD(R)	C-M001-01 / 0.1 ml conc.
Host:	Mouse	C-M001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-M001-10 / 1 ml conc.
Localization:	Nuclear	P-M001-30 / 3 ml RTU
Control:	Colon carcinoma, colon mucosa	P-M001-70 / 7 ml RTU
		P-M001-150 / 15 ml RTU

**MPO (QR101)**

Class:	IVD(R)	C-M011-01 / 0.1 ml conc.
Host:	Rabbit	C-M011-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-M011-10 / 1 ml conc.
Localization:	Cytoplasmic	P-M011-30 / 3 ml RTU
Control:	Spleen	P-M011-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-M011-150 / 15 ml RTU

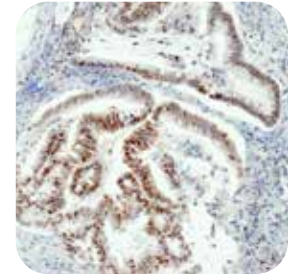
**MSH2 (QR010)**

Class:	IVD(R)	C-M004-01 / 0.1 ml conc.
Host:	Rabbit	C-M004-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-M004-10 / 1 ml conc.
Localization:	Nuclear	P-M004-30 / 3 ml RTU
Control:	Colon carcinoma, colon mucosa	P-M004-70 / 7 ml RTU
		P-M004-150 / 15 ml RTU

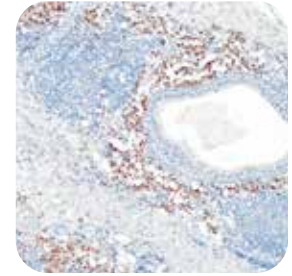


**MSH6 (QR011)**

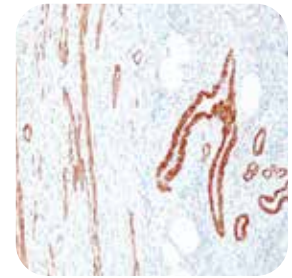
Class:	IVD(R)	C-M005-01 / 0.1 ml conc.
Host:	Rabbit	C-M005-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-M005-10 / 1 ml conc.
Localization:	Nuclear	P-M005-30 / 3 ml RTU
Control:	Colon carcinoma, colon mucosa	P-M005-70 / 7 ml RTU
		P-M005-150 / 15 ml RTU

**MUM1 (QR075)**

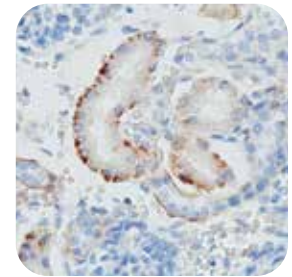
Class:	IVD(R)	C-M007-01 / 0.1 ml conc.
Host:	Rabbit	C-M007-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-M007-10 / 1 ml conc.
Localization:	Nuclear	P-M007-30 / 3 ml RTU
Control:	Tonsil, myeloma	P-M007-70 / 7 ml RTU
		P-M007-150 / 15 ml RTU

**Myosin heavy chain 11 (QR064)**

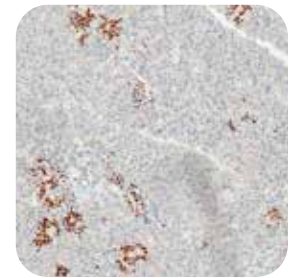
Class:	IVD(R)	C-M010-01 / 0.1 ml conc.
Host:	Rabbit	C-M010-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-M010-10 / 1 ml conc.
Localization:	Cytoplasmic	P-M010-30 / 3 ml RTU
Control:	Smooth muscle	P-M010-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-M010-150 / 15 ml RTU

**Napsin A (QR058)**

Class:	IVD(R)	C-N002-01 / 0.1 ml conc.
Host:	Rabbit	C-N002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-N002-10 / 1 ml conc.
Localization:	Cytoplasmic	P-N002-30 / 3 ml RTU
Control:	Lung adenocarcinoma, kidney	P-N002-70 / 7 ml RTU
		P-N002-150 / 15 ml RTU

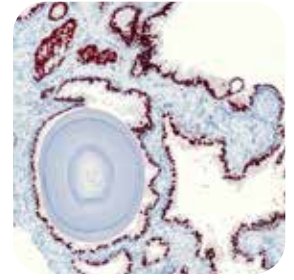
**NKX2.2 (QR077)**

Class:	IVD(R)	C-N004-01 / 0.1 ml conc.
Host:	Rabbit	C-N004-05 / 0.5 ml conc.
Dilution:	1:50 - 1:100	C-N004-10 / 1 ml conc.
Localization:	Nuclear	P-N004-30 / 3 ml RTU
Control:	Ewing sarcoma, pancreas	P-N004-70 / 7 ml RTU
		P-N004-150 / 15 ml RTU

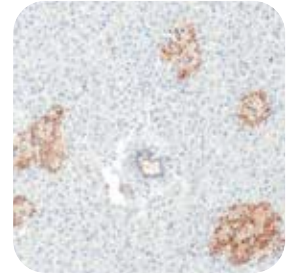


**NKX3.1 (QR055)**

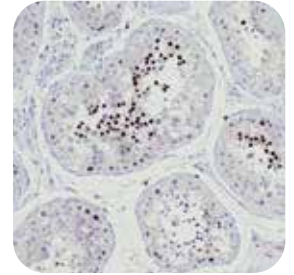
Class:	IVD(R)	C-N003-01 / 0.1 ml conc.
Host:	Rabbit	C-N003-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-N003-10 / 1 ml conc.
Localization:	Nuclear	P-N003-30 / 3 ml RTU
Control:	Prostate, prostate adenocarcinoma	P-N003-70 / 7 ml RTU
		P-N003-150 / 15 ml RTU

**NSE (QR104)**

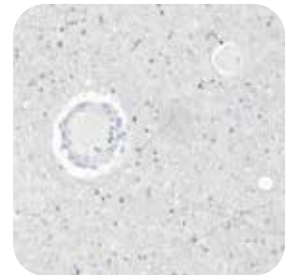
Class:	IVD(R)	C-N005-01 / 0.1 ml conc.
Host:	Rabbit	C-N005-05 / 0.5 ml conc.
Dilution:	1:20 - 1:100	C-N005-10 / 1 ml conc.
Localization:	Cytoplasmic	P-N005-30 / 3 ml RTU
Control:	Brain	P-N005-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-N005-150 / 15 ml RTU

**NUT (QR043)**

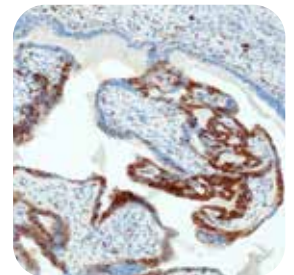
Class:	IVD(R)	C-N001-01 / 0.1 ml conc.
Host:	Rabbit	C-N001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-N001-10 / 1 ml conc.
Localization:	Nuclear	P-N001-30 / 3 ml RTU
Control:	Testis	P-N001-70 / 7 ml RTU
		P-N001-150 / 15 ml RTU

**Olig2 (QR071)**

Class:	IVD(R)	C-O001-01 / 0.1 ml conc.
Host:	Rabbit	C-O001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-O001-10 / 1 ml conc.
Localization:	Nuclear	P-O001-30 / 3 ml RTU
Control:	Astrocytoma	P-O001-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-O001-150 / 15 ml RTU

**p16 (QR019)**

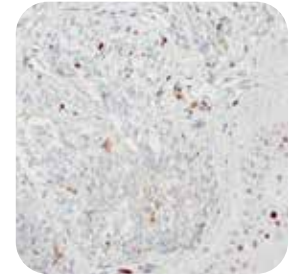
Class:	IVD(R)	C-P010-01 / 0.1 ml conc.
Host:	Rabbit	C-P010-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P010-10 / 1 ml conc.
Localization:	Cytoplasmic, nuclear	P-P010-30 / 3 ml RTU
Control:	HPV infected cervical squamous cell carcinoma	P-P010-70 / 7 ml RTU
		P-P010-150 / 15 ml RTU



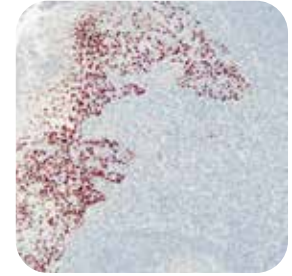


**p21 (QR085)**

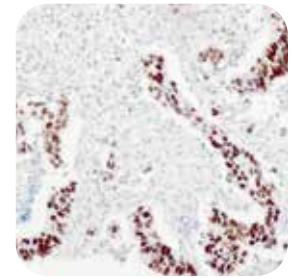
Class:	IVD(R)	C-P017-01 / 0.1 ml conc.
Host:	Rabbit	C-P017-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P017-10 / 1 ml conc.
Localization:	Nuclear	P-P017-30 / 3 ml RTU
Control:	Colon, colon carcinoma	P-P017-70 / 7 ml RTU
		P-P017-150 / 15 ml RTU

**p40 (QR020)**

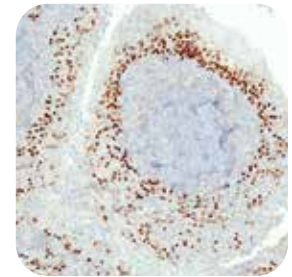
Class:	IVD(R)	C-P007-01 / 0.1 ml conc.
Host:	Rabbit	C-P007-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P007-10 / 1 ml conc.
Localization:	Nuclear	P-P007-30 / 3 ml RTU
Control:	Lung, lung squamous cell carcinoma	P-P007-70 / 7 ml RTU
		P-P007-150 / 15 ml RTU

**p53 (QR025)**

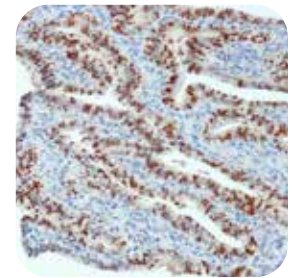
Class:	IVD(R)	C-P011-01 / 0.1 ml conc.
Host:	Rabbit	C-P011-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P011-10 / 1 ml conc.
Localization:	Nuclear	P-P011-30 / 3 ml RTU
Control:	Breast carcinoma, colon carcinoma	P-P011-70 / 7 ml RTU
		P-P011-150 / 15 ml RTU

**p63 (QR007)**

Class:	IVD(R)	C-P004-01 / 0.1 ml conc.
Host:	Rabbit	C-P004-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P004-10 / 1 ml conc.
Localization:	Nuclear	P-P004-30 / 3 ml RTU
Control:	Prostate	P-P004-70 / 7 ml RTU
		P-P004-150 / 15 ml RTU

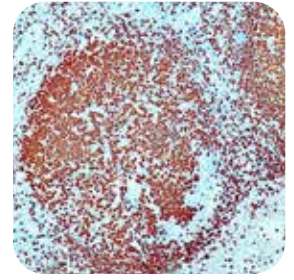
**PAX2 (QR060)**

Class:	IVD(R)	C-P019-01 / 0.1 ml conc.
Host:	Rabbit	C-P019-05 / 0.5 ml conc.
Dilution:	1:50 - 1:100	C-P019-10 / 1 ml conc.
Localization:	Nuclear	P-P019-30 / 3 ml RTU
Control:	Renal cell carcinoma	P-P019-70 / 7 ml RTU
		P-P019-150 / 15 ml RTU



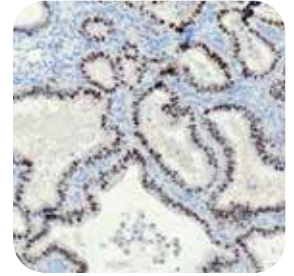
**PAX5 (QR056)**

Class:	IVD(R)	C-P020-01 / 0.1 ml conc.
Host:	Rabbit	C-P020-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P020-10 / 1 ml conc.
Localization:	Nuclear	P-P020-30 / 3 ml RTU
Control:	Tonsil	P-P020-70 / 7 ml RTU
		P-P020-150 / 15 ml RTU



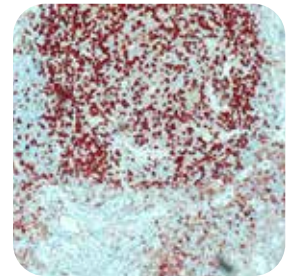
**PAX8 (QR016)**

Class:	IVD(R)	C-P008-01 / 0.1 ml conc.
Host:	Rabbit	C-P008-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P008-10 / 1 ml conc.
Localization:	Nuclear	P-P008-30 / 3 ml RTU
Control:	Ovarian carcinoma, thyroid carcinomas	P-P008-70 / 7 ml RTU
		P-P008-150 / 15 ml RTU



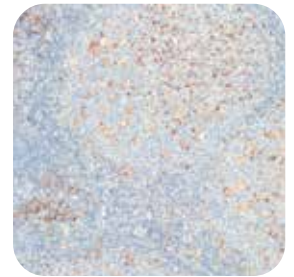
**PD-1 (QR002)**

Class:	IVD(R)	C-P002-01 / 0.1 ml conc.
Host:	Rabbit	C-P002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P002-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-P002-30 / 3 ml RTU
Control:	Tonsil	P-P002-70 / 7 ml RTU
		P-P002-150 / 15 ml RTU



**PD-L1 (QR001)**

Class:	IVD(R)	C-P001-01 / 0.1 ml conc.
Host:	Rabbit	C-P001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P001-10 / 1 ml conc.
Localization:	Membranous	P-P001-30 / 3 ml RTU
Control:	Non-small cell lung cancer, tonsil	P-P001-70 / 7 ml RTU
		P-P001-150 / 15 ml RTU



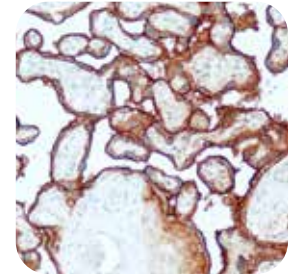
**Pin-Cocktail AMACR/p63 (QR108 & QM006)**

Class:	IVD(R)	C-P012-01 / 0.1 ml conc.
Host:	AMACR: rabbit, p63: mouse	C-P012-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P012-10 / 1 ml conc.
Localization:	AMACR: cytoplasmic, p63: nuclear	P-P012-30 / 3 ml RTU
Control:	Prostate carcinoma	P-P012-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-P012-150 / 15 ml RTU

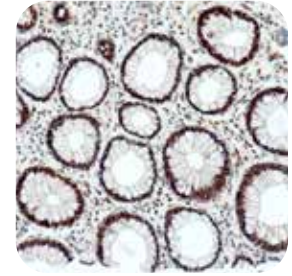


**PLAP (QR084)**

Class:	IVD(R)	C-P021-01 / 0.1 ml conc.
Host:	Rabbit	C-P021-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P021-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-P021-30 / 3 ml RTU
Control:	Placenta	P-P021-70 / 7 ml RTU
		P-P021-150 / 15 ml RTU

**PMS2 (QR009)**

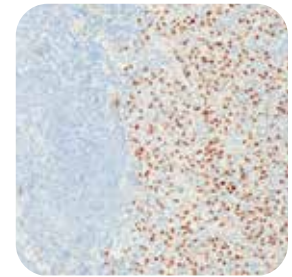
Class:	IVD(R)	C-P005-01 / 0.1 ml conc.
Host:	Rabbit	C-P005-05 / 0.5 ml conc.
Dilution:	1:20	C-P005-10 / 1 ml conc.
Localization:	Nuclear	P-P005-30 / 3 ml RTU
Control:	Colon	P-P005-70 / 7 ml RTU
		P-P005-150 / 15 ml RTU

**Podoplanin (QR048)**

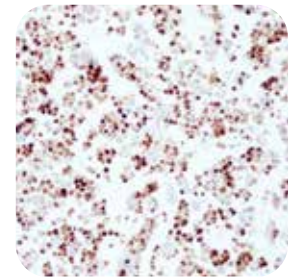
Class:	IVD(R)	C-P016-01 / 0.1 ml conc.
Host:	Rabbit	C-P016-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P016-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-P016-30 / 3 ml RTU
Control:	Tonsil, appendix	P-P016-70 / 7 ml RTU
Please note:	Release estimated in summer 2024.	P-P016-150 / 15 ml RTU

**PRAME (QR005)**

Class:	IVD(R)	C-P003-01 / 0.1 ml conc.
Host:	Rabbit	C-P003-05 / 0.5 ml conc.
Dilution:	1:50 - 1:100	C-P003-10 / 1 ml conc.
Localization:	Nuclear	P-P003-30 / 3 ml RTU
Control:	Testis, melanoma	P-P003-70 / 7 ml RTU
		P-P003-150 / 15 ml RTU

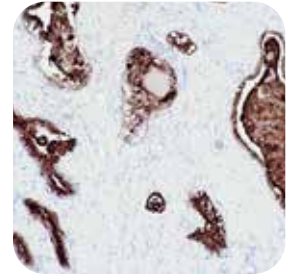
**Progesterone receptor (QR014)**

Class:	IVD(R)	C-P006-01 / 0.1 ml conc.
Host:	Rabbit	C-P006-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P006-10 / 1 ml conc.
Localization:	Nuclear	P-P006-30 / 3 ml RTU
Control:	Breast carcinomas	P-P006-70 / 7 ml RTU
		P-P006-150 / 15 ml RTU



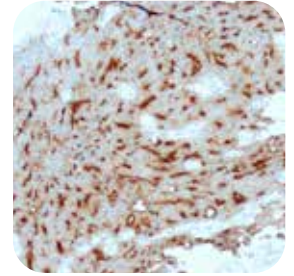
**PSA (QR038)**

Class:	IVD(R)	C-P014-01 / 0.1 ml conc.
Host:	Rabbit	C-P014-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P014-10 / 1 ml conc.
Localization:	Cytoplasmic	P-P014-30 / 3 ml RTU
Control:	Prostate, prostate carcinoma	P-P014-70 / 7 ml RTU
		P-P014-150 / 15 ml RTU



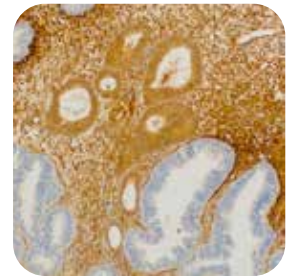
**PSMA (QR079)**

Class:	IVD(R)	C-P022-01 / 0.1 ml conc.
Host:	Rabbit	C-P022-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P022-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous	P-P022-30 / 3 ml RTU
Control:	Prostate, prostate carcinoma	P-P022-70 / 7 ml RTU
		P-P022-150 / 15 ml RTU



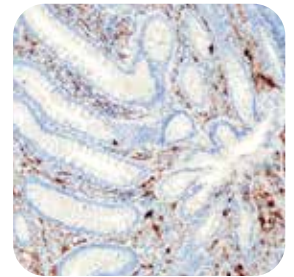
**PTEN (QR042)**

Class:	IVD(R)	C-P015-01 / 0.1 ml conc.
Host:	Rabbit	C-P015-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-P015-10 / 1 ml conc.
Localization:	Cytoplasmic, nuclear	P-P015-30 / 3 ml RTU
Control:	Endometrial adenocarcinoma	P-P015-70 / 7 ml RTU
		P-P015-150 / 15 ml RTU



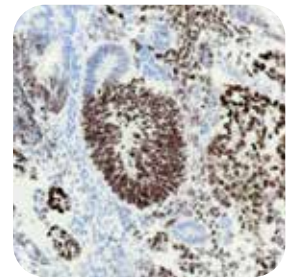
**S100B (QR031)**

Class:	IVD(R)	C-S003-01 / 0.1 ml conc.
Host:	Rabbit	C-S003-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-S003-10 / 1 ml conc.
Localization:	Cytoplasmic, nuclear	P-S003-30 / 3 ml RTU
Control:	Melanoma	P-S003-70 / 7 ml RTU
		P-S003-150 / 15 ml RTU



**SALL4 (QR024)**

Class:	IVD(R)	C-S004-01 / 0.1 ml conc.
Host:	Rabbit	C-S004-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-S004-10 / 1 ml conc.
Localization:	Nuclear	P-S004-30 / 3 ml RTU
Control:	Seminoma, dysgerminoma	P-S004-70 / 7 ml RTU
		P-S004-150 / 15 ml RTU



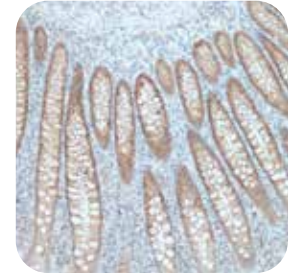


**SATB2 (QR023)**

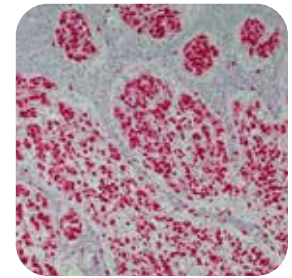
Class:	IVD(R)	C-S002-01 / 0.1 ml conc.
Host:	Rabbit	C-S002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-S002-10 / 1 ml conc.
Localization:	Nuclear	P-S002-30 / 3 ml RTU
Control:	Colon, colorectal cancer	P-S002-70 / 7 ml RTU
		P-S002-150 / 15 ml RTU

**SMAD4 (QR029)**

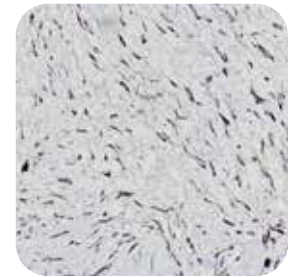
Class:	IVD(R)	C-S007-01 / 0.1 ml conc.
Host:	Rabbit	C-S007-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-S007-10 / 1 ml conc.
Localization:	Cytoplasmic, nuclear	P-S007-30 / 3 ml RTU
Control:	Pancreatic adenocarcinoma	P-S007-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-S007-150 / 15 ml RTU

**SOX10 (QR006)**

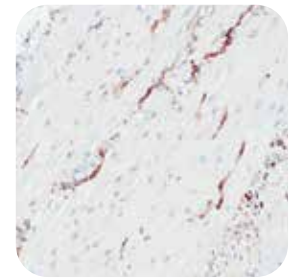
Class:	IVD(R)	C-S001-01 / 0.1 ml conc.
Host:	Rabbit	C-S001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-S001-10 / 1 ml conc.
Localization:	Nuclear	P-S001-30 / 3 ml RTU
Control:	Melanoma, skin melanocytes	P-S001-70 / 7 ml RTU
		P-S001-150 / 15 ml RTU

**STAT6 (QR041)**

Class:	IVD(R)	C-S006-01 / 0.1 ml conc.
Host:	Rabbit	C-S006-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-S006-10 / 1 ml conc.
Localization:	Nuclear	P-S006-30 / 3 ml RTU
Control:	Solitary fibrous tumor	P-S006-70 / 7 ml RTU
		P-S006-150 / 15 ml RTU

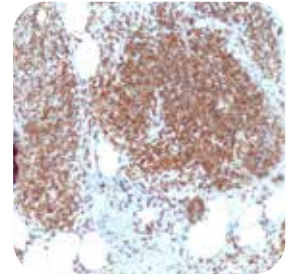
**Synaptophysin (QR054)**

Class:	IVD(R)	C-S005-01 / 0.1 ml conc.
Host:	Rabbit	C-S005-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-S005-10 / 1 ml conc.
Localization:	Cytoplasmic	P-S005-30 / 3 ml RTU
Control:	Pancreatic islet cells	P-S005-70 / 7 ml RTU
		P-S005-150 / 15 ml RTU

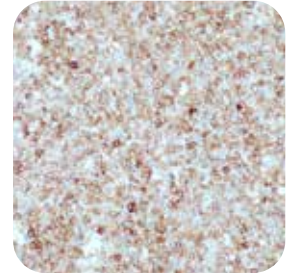


**TdT (QR037)**

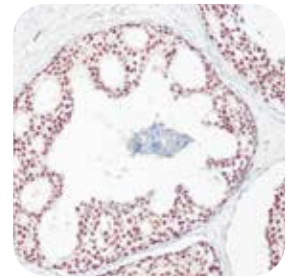
Class:	IVD(R)	C-T002-01 / 0.1 ml conc.
Host:	Rabbit	C-T002-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-T002-10 / 1 ml conc.
Localization:	Nuclear	P-T002-30 / 3 ml RTU
Control:	Thymus	P-T002-70 / 7 ml RTU
		P-T002-150 / 15 ml RTU

**pan-TRK (QR008)**

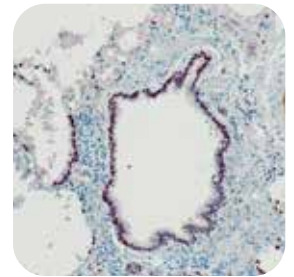
Class:	IVD(R)	C-T004-01 / 0.1 ml conc.
Host:	Rabbit	C-T004-05 / 0.5 ml conc.
Dilution:	1:50 - 1:200	C-T004-10 / 1 ml conc.
Localization:	Cytoplasmic, membranous, nuclear	P-T004-30 / 3 ml RTU
Control:	Cerebellum, appendix	P-T004-70 / 7 ml RTU
		P-T004-150 / 15 ml RTU

**TRPS1 (QR099)**

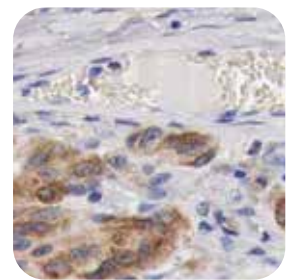
Class:	IVD(R)	C-T003-01 / 0.1 ml conc.
Host:	Rabbit	C-T003-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-T003-10 / 1 ml conc.
Localization:	Nuclear	P-T003-30 / 3 ml RTU
Control:	Breast, breast carcinoma	P-T003-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-T003-150 / 15 ml RTU

**TTF1 (QR046)**

Class:	IVD(R)	C-T001-01 / 0.1 ml conc.
Host:	Rabbit	C-T001-05 / 0.5 ml conc.
Dilution:	1:50 - 1:100	C-T001-10 / 1 ml conc.
Localization:	Nuclear	P-T001-30 / 3 ml RTU
Control:	Lung adenocarcinoma, lung, thyroid	P-T001-70 / 7 ml RTU
		P-T001-150 / 15 ml RTU

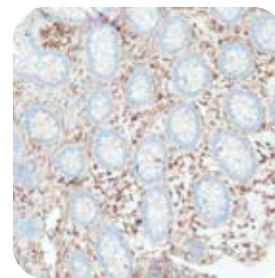
**Tyrosinase (T311)**

Class:	IVD(R)	C-T005-01 / 0.1 ml conc.
Host:	Mouse	C-T005-05 / 0.5 ml conc.
Dilution:	1:100 - 1:500	C-T005-10 / 1 ml conc.
Localization:	Cytoplasmic	P-T005-30 / 3 ml RTU
Control:	Malignant melanoma, skin	P-T005-70 / 7 ml RTU
		P-T005-150 / 15 ml RTU



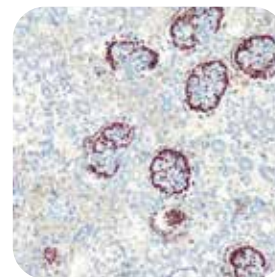
### Vimentin (QR097)

Class:	IVD(R)	C-V001-01 / 0.1 ml conc.
Host:	Rabbit	C-V001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-V001-10 / 1 ml conc.
Localization:	Cytoplasmic	P-V001-30 / 3 ml RTU
Control:	Liver, colon, pancreas	P-V001-70 / 7 ml RTU
Please note:	Release estimated in spring 2024.	P-V001-150 / 15 ml RTU



### WT1 (QR030)

Class:	IVD(R)	C-W001-01 / 0.1 ml conc.
Host:	Rabbit	C-W001-05 / 0.5 ml conc.
Dilution:	1:100 - 1:200	C-W001-10 / 1 ml conc.
Localization:	Nuclear	P-W001-30 / 3 ml RTU
Control:	Kidney, malignant mesothelioma	P-W001-70 / 7 ml RTU
		P-W001-150 / 15 ml RTU



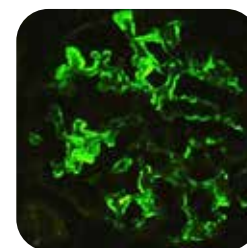
ANTIBODY

# FITC-CONJUGATED ANTIBODIES

Antibodies linked to fluorescein isothiocyanate (FITC) are intended for use on human tissues in immunofluorescence microscopy and flow cytometry. quartett also offers reagents for IF applications, such as mounting media and blocking reagents (see chapter REAGENTS).

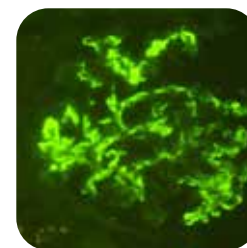
## C1q FITC (Polyclonal)

Class:	IVD	C-FC041-10	/ 1 ml conc.
Host:	Rabbit	C-FC041-20	/ 2 ml conc.
Dilution:	1:20	P-FC041-30	/ 3 ml RTU
		P-FC041-70	/ 7 ml RTU



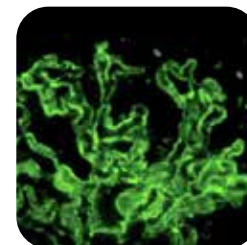
## C3c FITC (Polyclonal)

Class:	IVD	C-FC042-10	/ 1 ml conc.
Host:	Rabbit	C-FC042-20	/ 2 ml conc.
Dilution:	1:20	P-FC042-30	/ 3 ml RTU
		P-FC042-70	/ 7 ml RTU



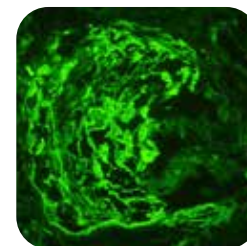
## C4c FITC (Polyclonal)

Class:	IVD	C-FC043-10	/ 1 ml conc.
Host:	Rabbit	C-FC043-20	/ 2 ml conc.
Dilution:	1:20	P-FC043-30	/ 3 ml RTU
		P-FC043-70	/ 7 ml RTU



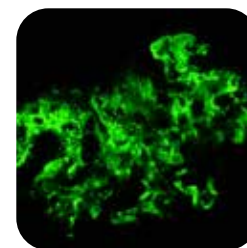
## Fibrinogen FITC (Polyclonal)

Class:	IVD	C-FF003-10	/ 1 ml conc.
Host:	Rabbit	C-FF003-20	/ 2 ml conc.
Dilution:	1:20	P-FF003-30	/ 3 ml RTU
		P-FF003-70	/ 7 ml RTU



## IgA FITC (Polyclonal)

Class:	IVD	C-FI006-10	/ 1 ml conc.
Host:	Rabbit	C-FI006-20	/ 2 ml conc.
Dilution:	1:20	P-FI006-30	/ 3 ml RTU
		P-FI006-70	/ 7 ml RTU

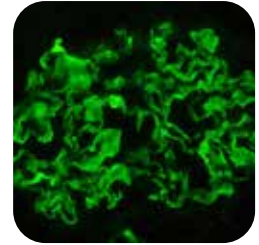


**IgAGM FITC (Polyclonal)**

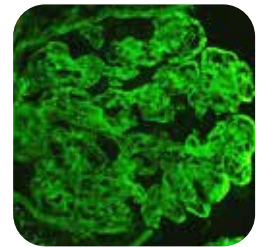
Class:	IVD	C-FI007-10	/ 1 ml conc.
Host:	Rabbit	C-FI007-20	/ 2 ml conc.
Dilution:	1:20	P-FI007-30	/ 3 ml RTU
		P-FI007-70	/ 7 ml RTU

**IgG FITC (Polyclonal)**

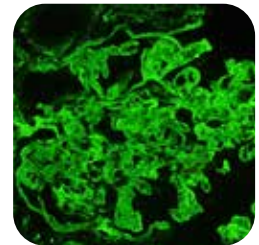
Class:	IVD	C-FI008-10	/ 1 ml conc.
Host:	Rabbit	C-FI008-20	/ 2 ml conc.
Dilution:	1:20	P-FI008-30	/ 3 ml RTU
		P-FI008-70	/ 7 ml RTU

**IgM FITC (Polyclonal)**

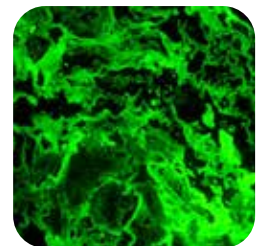
Class:	IVD	C-FI009-10	/ 1 ml conc.
Host:	Rabbit	C-FI009-20	/ 2 ml conc.
Dilution:	1:20	P-FI009-30	/ 3 ml RTU
		P-FI009-70	/ 7 ml RTU

**Kappa FITC (Polyclonal)**

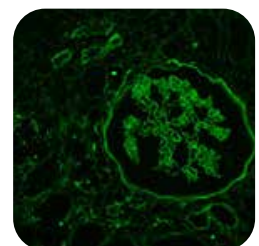
Class:	IVD	C-FK004-10	/ 1 ml conc.
Host:	Rabbit	C-FK004-20	/ 2 ml conc.
Dilution:	1:20	P-FK004-30	/ 3 ml RTU
		P-FK004-70	/ 7 ml RTU

**Lambda FITC (Polyclonal)**

Class:	IVD	C-FL003-10	/ 1 ml conc.
Host:	Rabbit	C-FL003-20	/ 2 ml conc.
Dilution:	1:20	P-FL003-30	/ 3 ml RTU
		P-FL003-70	/ 7 ml RTU

**Albumin FITC (Polyclonal)**

Class:	IVD	C-FA005-10	/ 1 ml conc.
Host:	Rabbit	C-FA005-20	/ 2 ml conc.
Dilution:	1:20	P-FA005-30	/ 3 ml RTU
		P-FA005-70	/ 7 ml RTU







**POLYMER SYSTEM 2 STEP**

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**POLYMER SYSTEM 1 STEP**

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# **DETECTION SYSTEMS**

**POLYMER SYSTEM DOUBLE STAIN**

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**CHROMOGENS**

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## POLYMER SYSTEM 2 STEP

The range of IHC detection systems is designed for your specific needs in routine as well as in research laboratories. Our kits are polymer based ultra sensitive systems for the detection of primary antibodies obtained from mouse and/or rabbit on frozen and FFPE tissues. Containing no biotin the kits are unaffected by endogenous biotin resulting in lower background staining. The kits ensure improved signal amplification and consistent staining, and can be used for manual as well as automated staining. 2 step detection systems provide maximal sensitivity due to the additional enhancer step.

### **PolyQ Stain 2 step detection system goat anti-mouse/rabbit HRP**

Contents:	Anti-mouse/rabbit polymer-HRP	DS-211-015	/	15 ml
	Primary antibody enhancer	DS-211-050	/	50 ml
		DS-211-100	/	100 ml
		DS-211-500	/	500 ml
		DS-211-000	/	1000 ml

### **PolyQ Stain 2 step detection system goat anti-mouse/rabbit AP**

Contents:	Anti-mouse/rabbit polymer-AP	DS-212-015	/	15 ml
	Primary antibody enhancer	DS-212-050	/	50 ml
		DS-212-100	/	100 ml
		DS-212-500	/	500 ml
		DS-212-000	/	1000 ml

### **PolyQ Stain 2 step detection system goat anti-mouse/rabbit HRP, Peroxidase quench, DAB kit**

Contents:	Anti-mouse/rabbit polymer-HRP	DSK-211-015	/	15 ml
	Primary antibody enhancer	DSK-211-050	/	50 ml
	Peroxidase quench	DSK-211-100	/	100 ml
	DAB kit (DAB chromogen & DAB substrate buffer)	DSK-211-500	/	500 ml
		DSK-211-000	/	1000 ml

### **PolyQ Stain 2 step detection system goat anti-mouse/rabbit AP, Permanent Red kit**

Contents:	Anti-mouse/rabbit polymer-AP	DSK-212-015	/	15 ml
	Primary antibody enhancer	DSK-212-050	/	50 ml
	Permanent Red kit (Permanent Red concentrate & Permanent Red buffer)	DSK-212-100	/	100 ml
		DSK-212-500	/	500 ml
		DSK-212-000	/	1000 ml

## POLYMER SYSTEM 1 STEP

The kits are polymer based highly sensitive systems similar to the 2 step variant. 1 step detection systems provide high sensitivity at time saving procedure due to one work step less than the 2 step variant. Containing no biotin the kits are unaffected by endogenous biotin resulting in lower background staining. The kits ensure improved signal amplification and consistent staining, and can be used for manual as well as automated staining.

### **PolyQ Stain 1 step detection system goat anti-mouse/rabbit HRP**

Contents:	Anti-mouse/rabbit polymer-HRP	DS-111-015	/	15 ml
		DS-111-050	/	50 ml
		DS-111-100	/	100 ml
		DS-111-500	/	500 ml
		DS-111-000	/	1000 ml

---

### **PolyQ Stain 1 step detection system goat anti-mouse/rabbit AP**

Contents:	Anti-mouse/rabbit polymer-AP	DS-112-015	/	15 ml
		DS-112-050	/	50 ml
		DS-112-100	/	100 ml
		DS-112-500	/	500 ml
		DS-112-000	/	1000 ml

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### **PolyQ Stain 1 step detection system goat anti-mouse HRP**

Contents:	Anti-mouse polymer-HRP	DS-121-015	/	15 ml
		DS-121-050	/	50 ml
		DS-121-100	/	100 ml
		DS-121-500	/	500 ml
		DS-121-000	/	1000 ml

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### **PolyQ Stain 1 step detection system goat anti-mouse AP**

Contents:	Anti-mouse polymer-AP	DS-122-015	/	15 ml
		DS-122-050	/	50 ml
		DS-122-100	/	100 ml
		DS-122-500	/	500 ml
		DS-122-000	/	1000 ml

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### **PolyQ Stain 1 step detection system goat anti-rabbit HRP**

Contents:	Anti-rabbit polymer-HRP	DS-131-015	/	15 ml
		DS-131-050	/	50 ml
		DS-131-100	/	100 ml
		DS-131-500	/	500 ml
		DS-131-000	/	1000 ml

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**PolyQ Stain 1 step detection system goat anti-rabbit AP**

Contents:	Anti-rabbit polymer-AP	DS-132-015	/	15 ml
		DS-132-050	/	50 ml
		DS-132-100	/	100 ml
		DS-132-500	/	500 ml
		DS-132-000	/	1000 ml

**PolyQ Stain 1 step detection system goat anti-mouse/rabbit HRP, Peroxidase quench, DAB kit**

Contents:	Anti-mouse/rabbit polymer-HRP	DSK-111-015	/	15 ml
	Peroxidase quench	DSK-111-050	/	50 ml
	DAB kit (DAB chromogen & DAB substrate buffer)	DSK-111-100	/	100 ml
		DSK-111-500	/	500 ml
		DSK-111-000	/	1000 ml

**PolyQ Stain 1 step detection system goat anti-mouse/rabbit AP, Permanent Red kit**

Contents:	Anti-mouse/rabbit polymer-AP	DSK-112-015	/	15 ml
	Permanent Red kit (Permanent Red concentrate & Permanent Red buffer)	DSK-112-050	/	50 ml
		DSK-112-100	/	100 ml
		DSK-112-500	/	500 ml
		DSK-112-000	/	1000 ml

**POLYMER SYSTEM DOUBLE STAIN**

The kits are polymer based highly sensitive detection systems that allow detection of two distinct antigens in a single tissue. The system is performed for the staining of primary antibodies obtained from rabbit and mouse simultaneously.

**PolyQ Stain 1 step double stain goat anti-rabbit HRP, goat anti-mouse AP**

Contents:	Anti-mouse polymer-AP	DS-13122-015	/	15 ml
	Anti-rabbit polymer-HRP	DS-13122-050	/	50 ml
		DS-13122-100	/	100 ml
		Bulk on request		

**PolyQ Stain 1 step double stain goat anti-mouse HRP, goat anti-rabbit AP**

Contents:	Anti-mouse polymer-HRP	DS-12132-015	/	15 ml
	Anti-rabbit polymer-AP	DS-12132-050	/	50 ml
		DS-12132-100	/	100 ml
		Bulk on request		

# CHROMOGENS

As part of the IHC detection of antigens chromogens are used for visualization.

3,3'-Diaminobenzidine (DAB) is an organic compound that produces a brown precipitate when activated by enzyme horseradish peroxidase (HRP) at the antigenic site. DAB is insoluble in alcohol and xylene, and provides strong and permanent stains.

Permanent Red chromogen is used for the alkaline phosphatase (AP) based detection in IHC stains. It produces a non-fading, bright red precipitate that is insoluble in organic solvents and can be coverslipped with permanent mounting media.

## PolyQ Stain DAB

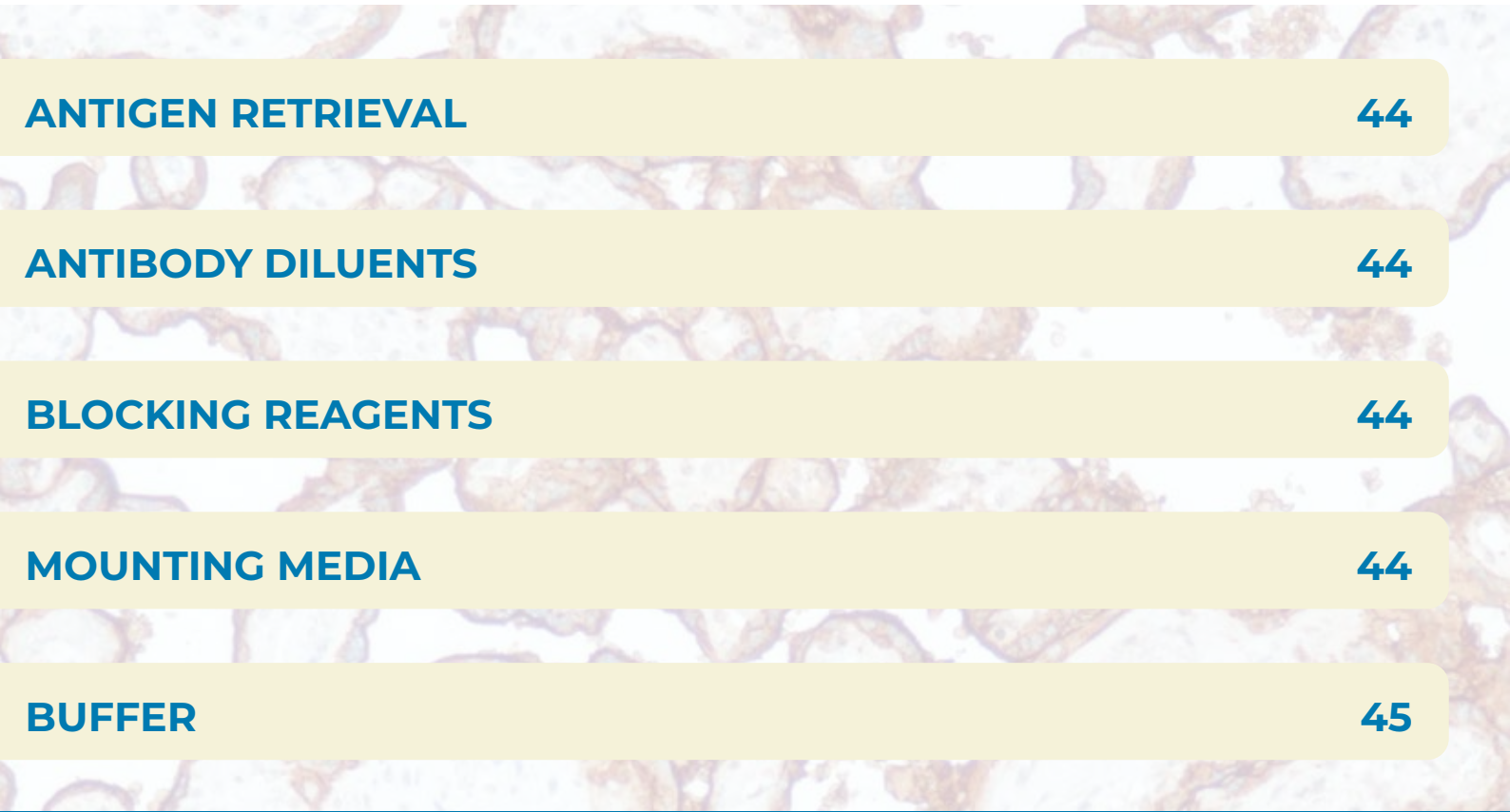
Contents:	DAB chromogen concentrate	CHR-101-015	/	15 ml
	DAB substrate buffer	CHR-101-050	/	50 ml
		CHR-101-100	/	100 ml
		CHR-101-500	/	500 ml
		CHR-101-000	/	1000 ml

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## PolyQ Stain Permanent Red

Contents:	Permanent Red concentrate	CHR-102-015	/	15 ml
	Permanent Red buffer	CHR-102-050	/	50 ml
		CHR-102-100	/	100 ml
		CHR-102-500	/	500 ml
		CHR-102-000	/	1000 ml

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**BLOCKING REAGENTS** 44

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**BUFFER** 45

# REAGENTS FOR IHC & HISTOLOGY

**FIXATIVES** 45

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## ANTIGEN RETRIEVAL

The demonstration of antigens in FFPE tissue sections can be improved by pretreatment with antigen retrieval solutions. These reagents break protein cross-links formed by formalin fixation and thereby uncover hidden antigenic sites /epitopes. Two commonly used techniques exist: Heat Induced Epitope Retrieval (HIER) and Proteolytic Induced Epitope Retrieval (PIER).

<b>Q Retrieval Low pH 6.0</b>	HIER	AR-001-0120	50x	6 x 20 ml
<b>Q Retrieval High pH 9.0</b>	HIER	AR-002-0120	50x	6 x 20 ml
<b>Q Retrieval Pronase</b>	PIER	AR-003-0250	RTU	250 ml

## ANTIBODY DILUENTS

Q Diluent for IHC is used to dilute primary antibody concentrates and is available as green or colorless solution. The included background reducing agent assists to prevent non-specific binding. Main components are: TRIS, TRIS-HCl, < 0.1 % sodium azide, sera and if applicable a green dye. The green colored solution enables better distinction between diluted and concentrated antibodies.

<b>Q Diluent for IHC</b>		AD-001-0125	RTU	125 ml
<b>Q Diluent for IHC</b>		AD-001-0500	RTU	500 ml (4 x 125 ml)
<b>Q Diluent for IHC w/o Green</b>		AD-002-0125	RTU	125 ml

## BLOCKING REAGENTS

Blocking reagents are used to prevent non-specific bindings resulting in decreased background.

<b>Q Block FITC Protein</b>		BL-001-0015	RTU	15 ml
<b>Q Block Protein</b>		BL-002-0050	RTU	50 ml

## MOUNTING MEDIA

The correct choice of an appropriate mounting medium is essential. quartett offers water-soluble (Q Mount Aqua, Q Mount Fluor) and water-insoluble media (Q Mount Permanent). Q Mount Fluor is used for IF applications. The Anti Fading variant additionally minimizes deterioration of fluorescence quality.

<b>Q Mount Fluor</b>		MM-001-0050	RTU	50 ml
<b>Q Mount Fluor</b>		MM-001-0500	RTU	500 ml
<b>Q Mount Fluor Anti Fading</b>		MM-002-0015	RTU	15 ml
<b>Q Mount Aqua</b>		MM-003-0015	RTU	15 ml
<b>Q Mount Aqua</b>		MM-003-0050	RTU	50 ml
<b>Q Mount Permanent (w/o. Xylene, Toluol)</b>		MM-004-0500	RTU	500 ml

## BUFFER

quartett offers various buffers for IHC and histological applications enabling time saving procedures during usual laboratory routine. We guarantee highest quality of all ingredients and precision of the pre-set pH value.

<b>Q Buffer Citrate EDTA, pH 7.5</b>	BU-001-1000	RTU	1 l
<b>Q Buffer Citrate EDTA, pH 7.5</b>	BU-001-5000	RTU	5 l
<b>Q Buffer EDTA, pH 8.0</b>	BU-002-0120	50x	6 x 20 ml
<b>Q Buffer PBS, pH 7.6</b>	BU-003-0120	10x	6 x 20 ml
<b>Q Buffer PBS, pH 7.6</b>	BU-003-0500	10x	500 ml
<b>Q Buffer Phosphate Buffer, pH 7.4</b>	BU-004-0120	50x	6 x 20 ml
<b>Q Buffer Phosphate Buffer, pH 7.4</b>	BU-004-0500	50x	500 ml
<b>Q Buffer Phosphate Buffer by Soerensen, pH 7.4</b>	BU-005-1000	RTU	1 l
<b>Q Buffer Phosphate Buffer by Soerensen, pH 7.4</b>	BU-005-5000	RTU	5 l
<b>Q Buffer Phosphate Buffer by Soerensen, pH 7.4</b>	BU-005-0000	RTU	20 l
<b>Q Buffer TBS, pH 7.6</b>	BU-006-0120	50x	6 x 20 ml
<b>Q Buffer TBS, pH 7.6</b>	BU-006-0500	50x	500 ml
<b>Q Buffer TBS with 0.04 % Tween20, pH 7.6</b>	BU-007-0120	50x	6 x 20 ml
<b>Q Buffer TBS with 0.04 % Tween20, pH 7.6</b>	BU-007-0500	50x	500 ml
<b>Q Buffer TRIS Washbuffer (40x) for automated stainer , pH 7.4</b>	BU-008-1000	40x	1 l
<b>Q Buffer TRIS Washbuffer (40x) for automated stainer , pH 7.4</b>	BU-008-5000	40x	5 l
<b>Q Buffer TRIS HCl Buffer, pH 7.6</b>	BU-009-0000	RTU	1 l
<b>Q Buffer TRIS HCl Buffer, pH 7.6</b>	BU-009-1000	RTU	20 l

## FIXATIVES

Fixation is necessary to retain structural organization of cells and tissues for subsequent staining. Wide ranges of fixatives are commonly used. The correct choice of method depends on the nature of antigen being examined and on the properties of the antibody used. Cross-linking reagents, such as formalin, form intermolecular bridges, thus creating a network of linked antigens. Cross-linkers preserve cell structure better than organic solvents, but may reduce the antigenicity of some cell components, and require the addition of a permeabilization step, to allow access of the antibody to the specimen.

<b>Q Fix 10 % Buffered Neutral Formalin</b>	FX-001-0250	RTU	250 ml
<b>Q Fix 10 % Buffered Neutral Formalin</b>	FX-001-1000	RTU	1 l
<b>Q Fix 10 % Buffered Neutral Formalin</b>	FX-001-5000	RTU	5 l
<b>Q Fix 10 % Buffered Neutral Formalin</b>	FX-001-0000	RTU	20 l
<b>Q Fix Michel's 1 (Fixative/Transpor)</b>	FX-002-1000	RTU	1 l
<b>Q Fix Michel's 2 (Fixative)</b>	FX-003-0005	RTU	5 ml
<b>Q Fix Carnoy</b>	FX-004-0050	RTU	50 ml
<b>Q Fix Karnovsky</b>	FX-005-1000	RTU	1 l
<b>Q Fix Karnovsky</b>	FX-005-5000	RTU	5 l
<b>Q Fix Karnovsky</b>	FX-005-0000	RTU	20 l

# INTERMEDIUM - XYLENE ALTERNATIVE Q DEWAX

Due to its toxic effects on humans, xylene has come under increasing criticism of users. From the point of view of preventive health protection quartett is happy to present with Q Dewax an alternative to xylene.

Properties:

- ▶ Saturated aliphatic hydrocarbon with < 0.01 % aromatics
- ▶ Inflammable, odourless
- ▶ No hazard to health when exposed by inhalation or skin contact, only harmful if swallowed
- ▶ No hazard to environment
- ▶ Concentration of evaporation and saturation in the air is 6 x lower than values of xylene
- ▶ Comparable results to xylene
- ▶ Applicable in embedding and staining instruments, and in combination with other solvents and reagents
- ▶ Ensures excellent embedding, dewaxing and staining of sections
- ▶ Perfect embedding with the resinous mounting medium Q Mount Permanent and others

Q Dewax Solution	DW-001-1000	RTU	1 l
Q Dewax Solution	DW-001-5000	RTU	5 l
Q Dewax Solution	DW-001-0000	RTU	20 l

## The 10 most Q Dewax FAQs

### 1. Do we have to change work techniques?

No, you don't. Q Dewax can be used for all embedding and staining procedures. However, you have to make sure that absolute ethanol is used in the last ethanol series prior to Q Dewax application.

### 2. What is the chemical nature of Q Dewax?

Q Dewax is an environmentally friendly, saturated, aliphatic hydrocarbon.

### 3. Are there any drawbacks compared to xylene?

No, Q Dewax is in contrast to xylene nonhazardous. It is only harmful, if swallowed.

### 4. Does Q Dewax smell unpleasant?

No, it does not. Q Dewax is absolutely odourless.

### 5. Does Q Dewax attack plastics?

No, it does not.

### 6. Does Q Dewax have the same viscosity as xylene?

Yes, it has.

### 7. Is it possible to use all artificial resins as embedding medium?

Yes, it is. Q Mount Permanent gives the best results.

### 8. Does Q Dewax affect the ability to cut tissues?

No, it does not.

### 9. Do we need more time, e.g. for deparaffinizing?

Q Dewax removes paraffin very fast and penetrates well. But you will need a little more time.

### 10. Does it provide optimum brightening of tissue?

Yes, it does. Optical refraction index corresponds with that of xylene.



# GENERAL INFORMATION

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## CONDITIONS OF SUPPLY

### Contact information

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In order to process your request as quickly as possible, please use

- ▶ service@quartett.com for general inquiries
- ▶ order@quartett.com for placing orders
- ▶ invoice@quartett.com for invoices as well as all invoice related inquiries
- ▶ technical-support@quartett.com for any technical request.

### Orders

Orders can be placed by fax or by e-mail. Customers with a customer identification number can place their order by phone, too. Orders by telephone must be followed by confirmation in writing clearly marked as confirmation. quartett shall not be liable for duplicated deliveries. Purchase orders are executed exclusively to our delivery- and payment conditions.

The following information are necessary for placing an order:

- ▶ Shipping address
- ▶ Billing address
- ▶ Name of ordering person and phone or fax no.
- ▶ Name of receiving person, incl. building no., room no. and phone no.
- ▶ Purchase no.
- ▶ Opening hours of receiving dept.
- ▶ Catalog no., name of product and quantity
- ▶ Delivery due date
- ▶ VAT ID no.
- ▶ Emergency phone no. for shipping of dangerous goods

### Shipments

Shipments will be done by mail, local carriers, or courier services.

### Shipping charges

Products are shipped ex works Potsdam, Germany. Shipping charges depend on original weight or gross weight. Charges will be added to the invoice. Extra charges for shipping on dry ice, dangerous goods or express deliveries will be added to the invoice. quartett has the right to ship orders the easiest and shortest way, minimizing freight costs, insuring stability and safety of the product. Packing is invoiced separately and is non-returnable.

### Prices

Prices are according to the actual price list or are provided by the local distributor. Old price lists become invalid with the publication of a new one. Prices are excluding bank charges for international shipments, special shipping services, and VAT. Discounts are provided on large volume orders, bulk orders, or standing orders. ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE!

**Payment and credit terms**

Unless otherwise agreed in writing, payment in full of all goods is due within 10 days of invoice date without discount. Payment can be done by credit card (VISA, Mastercard), check or by wire transfer. For European customers payment will be accepted in EUR, for overseas customers in USD. Overdue amounts are subject to carry charges at 5 % above base lending rate of the DEUTSCHE BANK.

**Returns and cancellation**

Neither goods are to be returned nor can orders be cancelled without prior agreement. No return of products will be authorized, if product meets specification. quartett reserves the right to charge a re-stocking or cancellation fee.

**Limited warranty**

All products are for in vitro research use only, unless they are labeled as IVD approved products for diagnostic procedures. Goods are sold, and service, information as well as advice rendered on the understanding that the customer is solely responsible for determining the suitability of the goods for the purpose for which they intend to use them. The sole and exclusive remedy of the customer is limited to the replacement of the goods or the refund of the invoice price of the goods, less a re-stocking fee if appropriate. The entire risk as to the performance of these products is assumed by the buyer. quartett shall not be liable for indirect special or consequential damages of any kind resulting from use of the products. We do not take responsibility for any possible damage including personal injury, time or effort on economic loss caused by this product. Our warranty is limited to the price paid for the product. The product may only be used by authorized and skilled personnel.

**Breakages and shortages**

Breakages in transit or shortages of delivered goods must be notified to quartett immediately after receipt of goods.

**Reservation of property rights**

quartett reserves the ownership of delivered goods until full payment has been effective. Preventive transference and preventive sale or mortgage of goods being reserved as our property is inadmissible. Assumption of receivables into a current account by acknowledgment of the balance does not affect the retention of ownership.

**Liabilities and conditions**

Placing the order the buyer gives his agreement to our above sales terms. Opposing or deviating conditions of the buyer and oral collateral agreements are only binding, if we have agreed to them in writing.

**Applicable law, jurisdiction and partial invalidity**

Solely the laws of the Federal Republic of Germany shall apply for these terms and conditions and all legal relationships between us and the customer. Venue is Berlin-Charlottenburg. In the event that any one provision of these terms and conditions of trade or a provision within the framework of other agreements reached between us and the customer is or becomes invalid, the validity of all other provisions of these terms and conditions of trade or other agreements shall remain unaffected thereby.

**Technical support**

Our customer service is responsible to assist you, if you encounter a problem or have a product related question.

## ABBREVIATIONS

AP	Alkaline phosphatase
Conc.	Concentrate
EDTA	Ethylenediaminetetraacetic acid
FFPE	Formalin-fixed, paraffin-embedded
FITC	Fluorescein isothiocyanate
HCl	Hydrochloric acid
HIER	Heat induced epitope retrieval
HPLC	High performance liquid chromatography
HRP	Horseradish peroxidase
IHC	Immunohistochemistry
IVDR	In vitro diagnostic medical devices regulation (EU) 2017/746
PBS	Phosphate buffered saline
PIER	Proteolytic induced epitope retrieval
RTU	Ready-to-use
TBS	TRIS buffered saline
TRIS	Tris(hydroxymethyl)aminomethane

For your notes







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