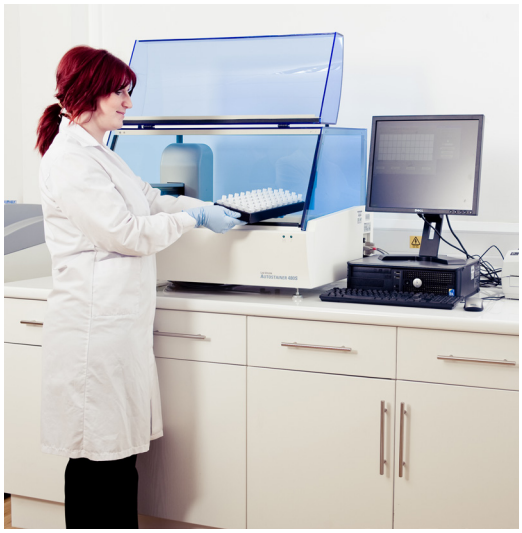
Immunohistochemistry
precise results

Achieve accurate results with outstanding quality

Accurate and reproducible immunohistochemistry is essential in research and diagnostics. Whether performing research assays on precious samples or catering to a patient awaiting timely and precise results, Epredia Immunohistochemistry solutions deliver high quality results.



Flexible

- Autostainer 360, 480S, and 720 offer fully open platforms for ultimate customization of reagent layout
- Accommodates customized protocols and reagent delivery
- Slides are rapidly transferred from the PT Module™ to the Autostainer on racks compatible to both

Robust

- Proven, dependable technology trusted by laboratory staff for years
- Standardized heat-induced epitope retrieval with the PT Module, protecting your staff from harmful fumes by providing safe, solvent-free de-waxing

Accurate

- Advanced reagents drive enhanced sensitivity, producing high-quality, accurate results

The Total Solution

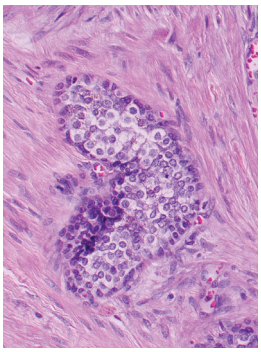
- Achieve accurate and specific results in immunohistochemical assays with our array of detection technologies designed to meet the needs of both the clinical and research market
- Get peace of mind with Epredia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory

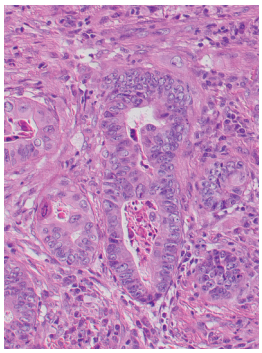
Immunohistochemistry Workflow

When test results determine the diagnosis, prognosis and potential treatment of patient disease, achieving accurate, reproducible results in the shortest period of time is crucial. Epredia Immunohistochemistry products provide a comprehensive set of high quality and affordable solutions to bring further standardization to today's laboratories.

Used as a system, Epredia instrumentation, advanced reagents, and specimen verification are the standardized solution for your Immunohistochemistry laboratory. Standardization with quality results brings consistency, and with the Epredia IHC solution, you can rest assured that your process will provide accurate results, time and again.

The following workflow diagram demonstrates the complete Epredia Immunohistochemistry solution.



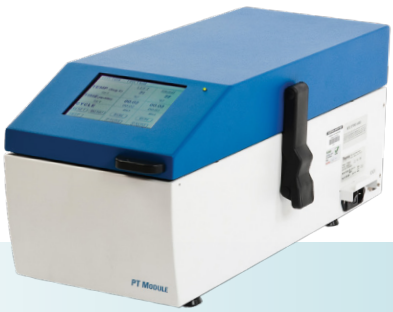


1 IHC Sample Request

When Immunohistochemistry (IHC) tests are requested, you require a system that can ensure accurate, reproducible results in the shortest time possible.

2 Improved Sample Verification

Eliminate manual steps and reduce the potential for patient identification errors. The Epredia IHC system can read SlideMate labeled slides, printed on-demand at any microtome, eliminating time-consuming manual data entry and/or the need to hand-label IHC slides.



3 Standardized Antigen Retrieval

Slides receive precise computer-controlled antigen retrieval in the PT Module, which can also perform heat-induced deparaffinization.

4 One-Step Transfer

Slides rapidly transfer from the PT Module to the Autostainer in one step, maintaining throughput while significantly reducing costs.

5 Epredia Autostainer

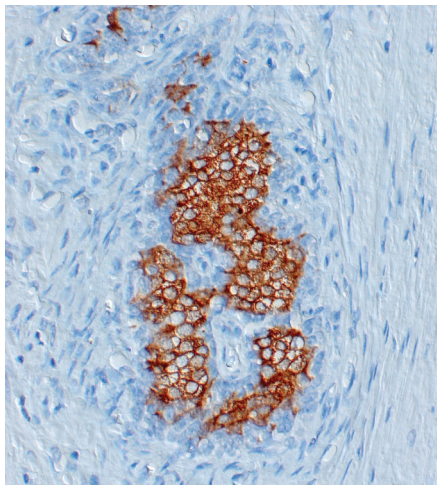
Slides are stained in the fully open Autostainer that leaves laboratories in control of costs and test parameters. The proven record for consistency and dependability minimizes downtime and ensures quality results.

6 Rabbit Monoclonal Antibodies and Enhanced Detection

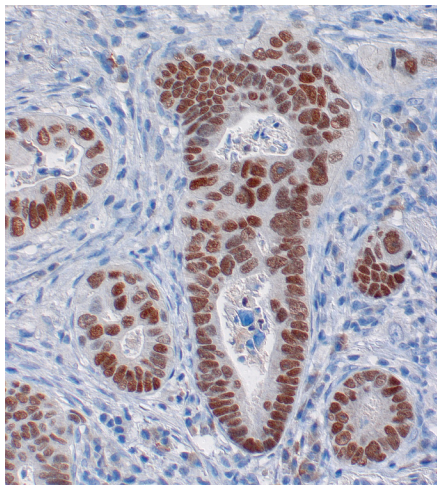
Advanced reagents drive the enhanced sensitivity and crisp, clean results on the system. The UltraVision Quanto™ detection system is the latest micropolymer technology capable of enhancing antibodies of mouse and rabbit origin, producing superior results at a surprisingly affordable cost per test.

7 Superior Results

You can rely on the combination of superior quality, timely results and increased laboratory profitability with the Epredia Immunohistochemistry system. Convince yourself by evaluating the system in your own laboratory — the results speak for themselves.



PSA (Prostate Specific Antigen), clone EP1588Y
RM-2104



CDX2, clone EPR2764Y
RM-2116

Autostainer 360, 480S, and 720

In an industry where seemingly small decisions can have huge implications and the quality of your test is critical, it is good to know that Epredia has a range of fast, accurate and cost effective solutions used globally throughout the Immunohistochemistry (IHC) field.

Our IHC range of solutions combines the knowledge and experience of one of the best known names in the IHC field (Labvision), with the backing and support of the world leader in serving science.

What's Best for the Patient

- Standardized and precise antigen retrieval, combined with reliable staining units provides assurance your requested tests are stained according to your high-quality standards
- Dual barcoding ensures that each slide receives the correct reagents

Make Better Use of Time

- Robust, reliable automation of processes allows you to spend your time handling results rather than diagnosing instrumentation problems
- Barcoding of slides and reagents simplifies the instrument loading and programming process
- Rapid staining turn-around time means higher throughput and allows you to return patient specimen test faster

Adapted to Fit Your Specific Needs

- Standardization of processes via the PT Module and Epredia Autostainer produces consistent, high-quality results
- Three models allow for any instrument configuration to best accommodate average slide volumes and peaks throughout the day
- The open platform enables you to take full advantage of flexible protocol design and consider economically attractive reagent packages

Save money and save lives

- Get the best possible value by working directly with the manufacturer of both the instruments and reagents; and benefit from the simplicity of getting any solution for the pathology laboratory from a single source

Physical Specifications

Dimensions (D x W x H):

360: 26.4 x 30 x 22.8 in.
(67 x 76 x 58 cm)

480S: 26.4 x 36 x 22.8 in.
(67 x 91 x 58 cm)

720: 26.4 x 50.4 x 22.8 in.
(67 x 128 x 58 cm)

Weight:
360: 121 lbs / 55 kg
480S: 143 lbs / 65 kg
720: 176 lbs / 80 kg

Power requirements:
100-120 V or 220-240 V;
50/60Hz; 4A max at 100-120 Vac, 2A max at 220-240 Vac

Includes:
Autostainer unit, slide racks (number varies per instrument), reagent rack for barcoded vials (number varies per instrument), PC Computer, 19" flat panel monitor, Zebra reagent and slide label barcode printers, universal power supply temporary backup, color ink jet printer, one wash buffer input and one DI water input, waste separation into hazardous and nonhazardous containers, waste/ bulk fluid containers, four, ten-liter carboys, cleaning kit; brush and reagents for automated cleaning, buffer rinse squirt bottle for rinsing slides, misc. USB and power cords (all required cords included), electronic manual on CD.

Autostainer 360

- This most compact variant is ideal for laboratories where speed and continuous workflow are imperative

Autostainer 480S

- All the benefits of the 360 but with increased slide capacity to 48 slides and up to 49 reagent vials

Autostainer 720

- The Autostainer 720 handles up to 84 slides at once and is designed for large-batch applications

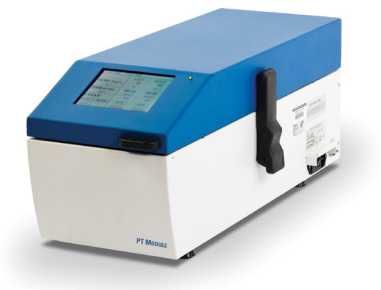
Description	Order Number
Autostainer 360	
110/120 V	A80500004A
220/240 V	A80500003
Autostainer 480S	
110/120 V	A80500008A
220/240 V	A80500007
Autostainer 720	
110/120 V	A80500001A
220/240 V	A80500009

Autostainer Accessories	Qty.	Order Number
Barcodeable Autostainer vial 12 ml	100 vials	K00029
Reagent vial barcode labels	3000 labels	A80510134
Slide labels (solvent resistant, no flap)	2600 labels	A80510164
Slide labels (solvent resistant, flap)	2500 labels	A80510135
Autostainer operator guide	1 CD	A80510107-CD
PT Module pump kit	1 kit	A80410030
Autostainer 480 reagent rack	1 rack	A80510138
2D Autostainer vial storage rack	1 rack	S00140
PT Module tank and lid	1 tank and lid	P00005A

You'll need:

antibodies

detection systems



PT Module

Standardization in the laboratory is important to obtaining high quality and consistent IHC staining. The PT Module standardizes the manual steps associated with the pre-treatment of slides.

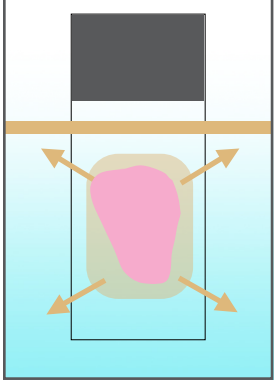
Features

- Designed to simultaneously perform dewaxing and epitope recovery on slides prior to immunostaining
- Accommodates either four Autostainer slide racks or eight standard manual slide racks directly into the PT Module
- Integrated computer with touch screen for programming standardized pre-treatment programs
- Ability to modify the start/stop time and temperature settings to optimize results
- The PT Module has dual reaction baths so that two individual procedures, each with 24 slides, may be run independently
- Epredia's proprietary epitope recovery solutions provide safe, solvent-free dewaxing and is safer for the environment
- Delayed start option allows overnight processing so slides are ready and waiting when you start your day

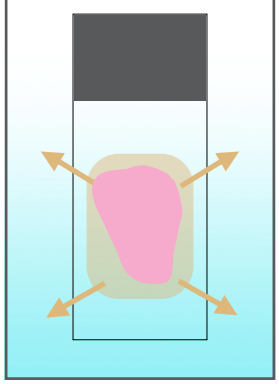
Dewax and HIER Buffers

- Patented formula, specifically designed for use with the PT Module
- Dissolves paraffin instead of just melting it

Competitive Buffers
Paraffin melts and pools at the surface. The slide is re-coated with wax upon removal.



Dewax and HIER Buffers
Paraffin is dissolved into the aqueous solution more completely and at a lower temperature. Wax will not re-coat the slide upon removal.



Dewax and HIER Buffers
With the new solution, paraffin is dissolved into solution and the slides can be removed cleanly.

Physical Specifications

Dimensions (D x W x H):
25.5 x 10.5 x 10 in.
(65 x 27 x 26 cm)

Weight:
Empty: 33 lbs (15 kg)

Power requirements:
100-120 V, 50/60 Hz, 10A Max
220-240 V, 50/60 Hz, 5A Max

Includes:
Stainless steel buffer tank (2/pk.), buffer tank cover (2/pk.), serial cable, buffer kit, IVD letter, operator information pack, accessory pump kit, EMC statement.

Description	Order Number
110/120 V	A80400012
220/240 V	A80400011

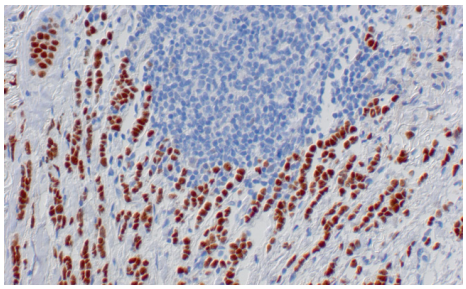
Sequenza Slide Racks and Coverplates	Qty.	Order Number
Sequenza slide rack and lid	Holds 10 slides	73310017
Coverplates	250 / case	72110013
Coverplates	25 / pack	72110017
Dropper bottles	50 / pack	73310007
Buffer bottle 750 mL	ea.	73310002

Shandon Humidity Chamber	Qty.	Order Number
Humidity chamber	ea.	197
Aluminum slide tray	ea.	203
Acrylic lid	ea.	231974
Polyethylene lid	ea.	10388

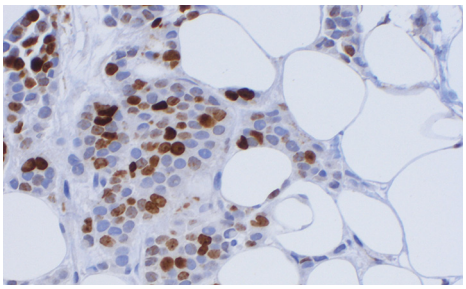
Epitope Retrieval	Order Number	Use
Dewax and HIER Buffer (H, M, L) variety pack (15x concentrate)	TA-999-DHBVP	IVD
Dewax and HIER Buffer H (15x concentrate) 10x100 mL	TA-999-DHBH	IVD
Dewax and HIER Buffer L (15x concentrate) 10x100 mL	TA-999-DHBL	IVD
Dewax and HIER Buffer M (15x concentrate) 10x100 mL	TA-999-DHBM	IVD
HIER Buffer H, 9 BT/CS Tris-EDTA Buffer, 15 mL/BT	TA-135-HBH	IVD
HIER Buffer L, 9 BT/CS Citrate Buffer, 15 mL/BT	TA-135-HBL	IVD
HIER Buffer M, 9 BT.CS EDTA Buffer, 15 mL/BT	TA-135-HBM	IVD
Citrate Buffer for HIER 125 mL	AP-9003-125	IVD
Citrate Buffer for HIER 500 mL	AP-9003-500	IVD
EDTA Buffer for HIER (10x) 125 mL	AP-9004-125	IVD
EDTA Buffer for HIER (10x) 500 mL	AP-9004-500	IVD
Tris HCl Buffer for HIER (10x) 50 mL	AP-9005-050	IVD
Tris-HCl Buffer for HIER (10x) 125 mL	AP-9005-125	IVD
Tris-HCl Buffer for HIER (10x) 500 mL	AP-9005-500	IVD

Enzyme Retrieval	Order Number	Use
Protease XXV for Enzyme-Induced Epitope Retrieval 2 mL	AP-9006-002	IVD
Protease XXV for Enzyme-Induced Epitope Retrieval 5 mL	AP-9006-005	IVD
Pepsin Solution for Enzyme-Induced Epitope Retrieval 5 mL	AP-9007-005	IVD

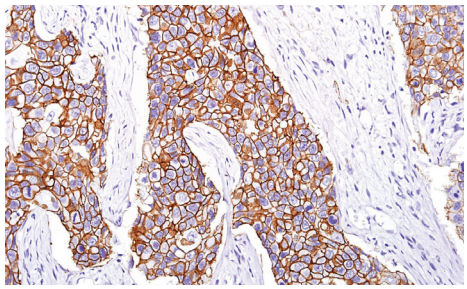
Breast Panel



Estrogen receptor positive breast ca stained with Clone SP1 (RM-9101-S) and UltraVision Quanto.



High grade breast ca stained with Ki67 Clone SP6 (RM-9106-S) and UltraVision Quanto.



Breast ca with amplified Her 2 stained with Clone SP3 (RM-9103-S) visualized with UltraVision Quanto

Antibody	Clone	Cat. No.	Description	Regulatory Status
Estrogen Receptor	SP1	RM-9101	SP1 is quickly becoming the gold standard in ER evaluation with higher sensitivity than other common tests[1]	USA: IVD INT'L: IVD
Progesterone Receptor	SP2	RM-9102	Sensitive and specific PR marker	USA: IVD INT'L: IVD
Ki-67	SP6	RM-9106	Produces substantially less background than commonly used Ki67 antibodies[2]	USA: IVD INT'L: IVD
Her-2	SP3	RM-9103	High resolving power may reduce 2+ results that require additional FISH testing[3]	USA: ASR INT'L: IVD
p53	Y5	RM-2103	Negative prognostic factor in breast cancer	USA: IVD INT'L: IVD
Keratin 5	XM26	MS-1896	Sensitive for identifying the "basal-like" phenotype of breast cancer[4]	USA: IVD INT'L: IVD
Keratin 7	OV-TL 12/30	MS-1352	Identifies luminal cells and is useful for distinguishing between lung and breast epithelium	USA: IVD INT'L: IVD
Keratin 20	Ks20.8	MS-377	Useful as a negative indicator for breast adenocarcinomas	USA: IVD INT'L: IVD
Mammaglobin	3304-1A5	MS-1919	Mammary marker and elevated expression may indicate a less aggressive tumor.	USA: IVD INT'L: IVD
NY-BR-1	NYBR-1#2	MS-1932	Highly specific breast marker useful for identifying undifferentiated breast cancer[5]	USA: IVD INT'L: IVD
E-Cadherin	EP700Y	RM-2100	Useful for differentiating lobular from ductal breast carcinoma	USA: IVD INT'L: IVD

[1]Cheang MC, Treaba DO, Speers CH, Olivotto IA, Bajdik CD, Chia SK, Goldstein LC, Gelmon KA, Huntsman D, Gilks CB, Nielsen TO, Gown AM. Immunohistochemical detection using the new rabbit monoclonal antibody SP1 of estrogen receptor in breast cancer is superior to mouse monoclonal antibody 1D5 in predicting survival. J Clin Oncol. 2006 Dec 20;24(36):5637-44.

[2]Zabalgo L, Salter J, Anderson H, Quinn E, Hills M, Detre S, A'Hern R, Dowsett M. Comparative validation of the SP6 antibody to Ki67 in breast cancer. J Clin Pathol. 2010 Sep;63(9):800-4.

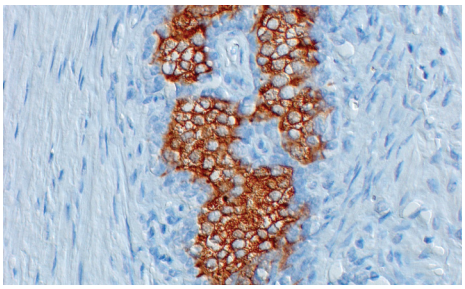
[3]Sheila C.L. Wludarski, MD and Carlos E. Bacchi, MD, PhD. High Concordance of SP3 Rabbit Monoclonal Antibody With FISH to Evaluate HER2 in Breast Carcinoma. Appl Immunohistochem Mol Morphol. 2008 Oct;16(5):466-70.

[4]Rohit Bhargava, MD, Sushil Beriwal, MD, Kim McManus, HT(ASCP), and David J. Dabbs, MD. CK5 is More Sensitive Than CK5/6 in Identifying the "Basel-Like" Phenotype of Breast Carcinoma. AM J Clin Pathol 2008;130:724-730.

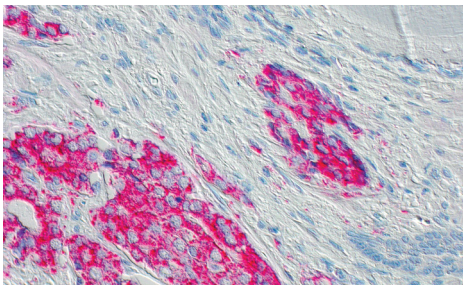
[5]Varga Z, Theurillat JP, Filonenko V, Sasse B, Odermatt B, Jungbluth AA, Chen YT, Old LJ, Knuth A, Jäger D, Moch H. Preferential nuclear and cytoplasmic NY-BR-1 protein expression in primary breast cancer and lymph node metastases. Clin Cancer Res. 2006 May 1;12(9):2745-51.

*Descriptions are for general reference only. Please consult the datasheet and current literature for more information.

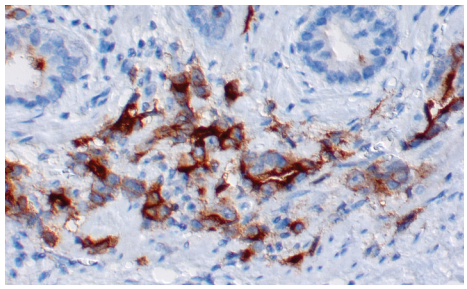
Prostate Panel



Prostate carcinoma identified with PSA Clone EP1588Y (RM-2104-S) and UltraVision Quanto.



Prostate carcinoma stained with p540s -AMACR Clone 13H4 (RM-9130-S) and UltraVision Quanto.



Prostate cancer stained with PSMA Clone SP29 (RM-9131-S) and UltraVision Quanto.

Antibody	Clone	Cat. No.	Description	Regulatory Status
p504S	13H4	RM-9130	Typically positive in malignant prostate but negative in benign lesions[1]	USA: IVD INT'L: RUO
Keratin 5	EP1601Y	RM-2106	Stains basal epithelia in normal prostate tissue	USA: IVD INT'L: IVD
Keratin 20	Ks20.8	MS-377	Assists with differentiating prostate from bladder cancer[3]	USA: IVD INT'L: IVD
Keratin 14	Polyclonal	RB-9020	Stains basal epithelia in normal prostate tissue	USA: IVD INT'L: IVD
Epithelial Membrane Antigen	MOC-31	MS-741	Positive indicator for Adenocarcinoma	USA: IVD INT'L: IVD
Ki67	SP6	RM-9106	Excellent proliferation marker	USA: IVD INT'L: IVD
PSA	EP1588Y	RM-2104	Useful for identifying cells of prostatic origin[1]	USA: ASR INT'L: IVD
PSAP	PASE/4LJ	MS-321	Useful for identifying cells of prostatic origin[1]	USA: IVD INT'L: IVD
PSMA	SP29	RM-9131	Useful for identifying cells of prostatic origin and can be combined with PSA to increase sensitivity[2]	USA: IVD INT'L: IVD

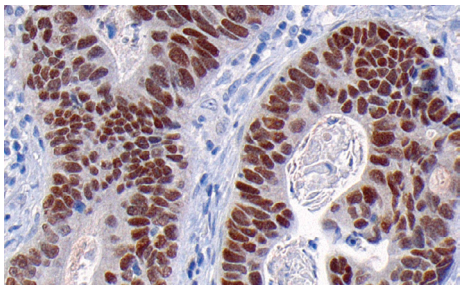
[1]Paner GP, Luthringer DJ, Amin MB. Best practice in diagnostic immunohistochemistry: prostate carcinoma and its mimics in needle core biopsies. Arch Pathol Lab Med. 2008 Sep;132(9):1388-96.

[2]Mhawech-Fauceglia P, Zhang S, Terracciano L, Sauter G, Chadhuri A, Herrmann FR, Penetrante R. Prostate-specific membrane antigen (PSMA) protein expression in normal and neoplastic tissues and its sensitivity and specificity in prostate adenocarcinoma: an immunohistochemical study using multiple tumour tissue microarray technique. Histopathology. 2007 Mar;50(4):472-83.

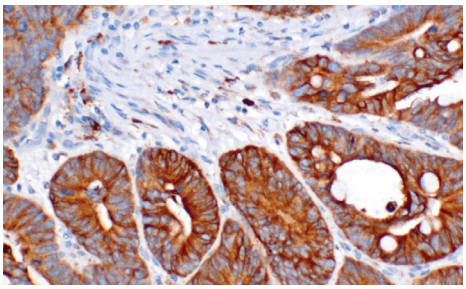
[3]Bassily NH, Vallorosi CJ, Akdas G, Montie JE, Rubin MA. Coordinate expression of cytokeratins 7 and 20 in prostate adenocarcinoma and bladder urothelial carcinoma. AM J Clin Pathol. 2000 Mar;113(3):383-8.

[1]Descriptions are for general reference only. Please consult the datasheet and current literature for more information.

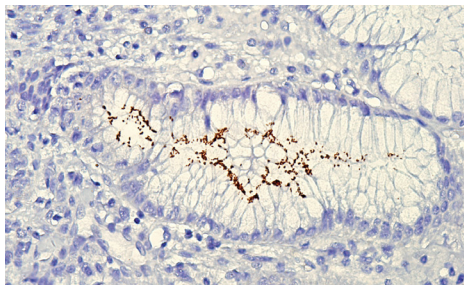
Gastrointestinal Panel



Metastatic colon ca stained with CDX2 (RM-2116-S) and UltraVision Quanto.



Colon carcinoma stained with COX2 (MS-1898-S) and UltraVision Quanto.



H. pylori stained in stomach tissue with H. pylori (RB-9070-P) and UltraVision Quanto.

Antibody	Clone	Cat. No. (RTU)	Description	Regulatory Status
CDX2	EPR2764Y	RM-2116	Useful for differentiating gastrointestinal origin with undifferentiated tumors	USA: IVD INT'L: IVD
Pan CK	AE1/AE3	MS-343	Useful for identifying carcinoma	USA: IVD INT'L: IVD
Keratin 7	OV-TL 12/30	MS-1352	Reacts with proteins in ductal and glandular tissues	USA: IVD INT'L: IVD
Keratin 20	Ks20.8	MS-377	Reacts primarily with intestinal and gastric epithelium	USA: IVD INT'L: IVD
COX-2	SP21	RM-9121	Suggested as a poor prognostic indicator in colon carcinoma	USA: IVD INT'L: IVD
CD117	Polyclonal	RB-9038	Useful for identifying gastrointestinal stroma tumors (GIST)[1]	USA: IVD INT'L: IVD
Dog-1	1.1	MS-1933	Very useful for identifying gastrointestinal stroma tumors (GIST)[1]	USA: IVD INT'L: IVD
Dog-1	SP31	RM-9132	Very useful for identifying gastrointestinal stroma tumors (GIST)[1]	USA: IVD INT'L: IVD
H-pylori	Polyclonal	RB-9070	Reacts with H-pylori in the GI tract	USA: ASR INT'L: IVD
Ki-67	SP6	RM-9106	Excellent proliferation marker	USA: IVD INT'L: IVD
CA19-9	121 SLE	MS-379	Highly expressed in gastrointestinal adenocarcinomas	USA: IVD INT'L: IVD
Villin	CWWB1	MS-1499	Useful for identifying gastrointestinal adenocarcinoma	USA: IVD INT'L: IVD
Epithelial Specific Antigen	Ber-EP4	MS-1898	Useful for distinguishing adenocarcinoma from mesothelioma and hepatocellular carcinoma	USA: IVD INT'L: IVD
Her-2	SP3	RM-9103	Anti-Her2 therapies have increased survival rates in Her-2 over-expressing gastric cancer	USA: ASR INT'L: IVD

[1]Novelli M, Rossi S, Rodriguez-Justo M, Taniere P, Seddon B, Toffolati L, Sartor C, Hogenddorn PC, Sciot R, Van Glabbeke M, Verqeij J, Blay JY, Hohenberger P, Flanagan A, Del Tos AP, DOG1 and CD117 are the antibodies of choice in the diagnosis of gastrointestinal stromal tumours. Histopathology. 2010 Aug;57(2):259-70.

*Descriptions are for general reference only. Please consult the datasheet and current literature for more information.

IHC Antibodies

Epredia antibodies are designed for multiple applications such as clinical research IHC and applications other than IHC, such as Western Blotting of immunoprecipitation. For the latest product offerings and updates, visit Epredia.com or contact your local representative.

Concentrates are available in 1 mL (-S, -A, or -P), 0.5 mL, and 0.1 mL sizes and are ready to use in 7 mL (-R7, for use with LP detection system) or 12 mL (-RQ, for use with Quanto detection system), and are considered In Vitro Diagnostic (IVD) devices, Research Use Only (RUO) devices, or Analyte Specific Reagent (ASR, US-only). Please check the website for azide-free formats.

Part Number Key

HM Hamster Monoclonal	**MS** Mouse Monoclonal	**MV** MultiVision	**NC** Negative Control	**RB** Rabbit Polyclonal	**RM** Rabbit Monoclonal	**SH** Sheep Polyclonal

Description	REF Num	
Mucin 1 (MUC-1)	HM-1630	RUO
14.3.3 pan	MS-1504	RUO
14.3.3 sigma [1433S01]	MS-1185	RUO
Actin, Muscle Specific [HHF35]	MS-742	IVD
Actin, Muscle Specific [MSA06]	MS-1296	RUO
Actin, pan [ACTN05]	MS-1295	RUO
Actin, Skeletal Muscle [5C5.F8.C7]	MS-185	RUO
Actin, Smooth Muscle [1A4]	MS-113	IVD
Adenovirus [M58 + M73]	MS-1069	RUO
Adrenocorticotrophic Hormone (ACTH)	MS-452	IVD
ALK (Anaplastic Lymphoma Kinase) / p80 [5A4]	MS-1104	IVD
Amyloid A Component	MS-1219	RUO
Amyloid A4 / Amyloid Beta	MS-1167	RUO
Androgen Receptor [AR441]	MS-443	RUO
Bax	MS-711	RUO
Bax	MS-714	RUO
BCL-2alpha [100/D5]	MS-123	IVD
BCL-6 [BCL6.2]	MS-1114	RUO
BCL-6 [LN22]	MS-1936	IVD
BCL-XL	MS-1334	RUO
Biotin	MS-1048	RUO
c-Abl	MS-938	RUO

Description	REF Num	
c-erbB-2 / HER-2 / neu	MS-229	RUO
c-erbB-2 / HER-2 / neu	MS-302	RUO
c-erbB-2 / HER-2 / neu	MS-600	RUO
c-erbB-2 / HER-2 / neu	MS-301	RUO
c-erbB-2 / Her-2 / neu	MS-1350	RUO
c-erbB-2 / HER-2 / neu (Phospho-specific)	MS-1072	RUO
c-erbB-2 / HER-2 / neu [3B5]	MS-599	RUO
c-erbB-2 / HER-2 / neu [e2-4001 + 3B5]	MS-730	IVD/ASR
c-erbB-2 / HER-2 / neu [e2-4001]	MS-325	RUO
c-erbB-3 / HER-3 [2B5]	MS-310	RUO
c-erbB-3	MS-201	RUO
c-erbB-3 / HER-3 [H3.90.6]	MS-262	RUO
c-erbB-4 / Her-4	MS-270	RUO
c-erbB-4 / Her-4	MS-304	RUO
c-myc	MS-139	RUO
CA 125 (Ovarian Cancer Antigen)	MS-1151	IVD
CA19-9 / Sialyl Lewis a (GI Tumor Marker) [116-NS-19-9]	MS-1811	RUO
CA19-9 / Sialyl Lewis a (GI Tumor Marker) [121SLE]	MS-379	IVD
Cadherin E / E-Cadherin	MS-1862	RUO
Caldesmon, HMW	MS-1169	IVD
Calponin	MS-1168	IVD
Caspase 3 (CPP32)	MS-1121	RUO

Description	REF Num	
Caspase 8 (FLICE)	MS-1143	RUO
CD10/CALLA (Neutral Endopeptidase)	MS-728	IVD
CD105 / Endoglin / TGF-beta1/3 Receptor	MS-1290	RUO
CD106 / VCAM-1	MS-1101	RUO
CD117 / c-Kit / SCF-Receptor	MS-289	RUO
CD137 (4-1BB) [BBK-2]	MS-621	RUO
CD138	MS-1793	IVD
CD141 / Thrombomodulin	MS-1102	RUO
CD15	MS-1259	IVD
CD155 / PVR (Poliovirus Receptor)	MS-465	RUO
CD163	MS-1103	RUO
CD1a [MTB1]	MS-746	RUO
CD1a [010]	MS-1856	IVD
CD2 [LFA-2]	MS-1074	IVD
CD20 [L26]	MS-340	IVD
CD21 [2G9]	MS-1086	IVD
CD23	MS-729	IVD
CD24 (GPI-linked surface mucin)	MS-1278	RUO
CD24 (GPI-linked surface mucin) [SN3b]	MS-1279	RUO
CD25 / IL-2Ralpha	MS-203	RUO
CD29 (Integrin Beta-1)	MS-596	RUO
CD30 (Reed-Sternberg Cell Marker)	MS-361	IVD
CD30 (Reed-Sternberg Cell Marker)	MS-1857	IVD
CD31 / PECAM-1 (Endothelial Cell Marker)	MS-353	IVD
CD34 [QBEnd/10] I	MS-363	IVD
CD35 / CR1 (Follicular Dendritic Cell Marker)	MS-336	RUO
CD36 / GPIIIb / GPIV /	MS-756	RUO
CD38	MS-983	RUO
CD3epsilon (Early T-Cell Marker)	MS-1880	RUO
CD4	MS-1528	IVD
CD42b (GPIb)	MS-1174	RUO
CD43 / T-Cell Marker	MS-146	IVD
CD44 Std. / HCAM	MS-178	RUO
CD44 Std. / HCAM	MS-668	IVD
CD45 / T200 / LCA	MS-355	IVD
CD45RO (T-Cell Marker)	MS-112	IVD
CD47	MS-1302	RUO

Description	REF Num	
CD5	MS-393	IVD
CD54 / ICAM-1	MS-305	RUO
CD56 / NCAM-1	MS-1149	IVD
CD57 (Natural Killer Cell Marker)	MS-136	IVD
CD68 / Macrophage Marker	MS-397	IVD
CD68 / Macrophage Marker	MS-1808	IVD
CD71 / Transferrin Receptor	MS-1096	RUO
CD74	MS-131	IVD
CD79a / mb-1 (B Cell Marker) [HM47/A9]	MS-357	RUO
CD8	MS-457	IVD
CD81 / TAPA-1	MS-502	RUO
CD99 / MIC2 (Ewing's Sarcoma Marker)	MS-294	IVD
CD99 / MIC2 (Ewing's Sarcoma Marker)	MS-1633	RUO
CDC6	MS-867	RUO
CDC25C	MS-751	RUO
Cdh1	MS-1116	RUO
Cdk1 / p34 cdc2	MS-110	RUO
Cdk4	MS-299	RUO
Cdk5	MS-906	RUO
Cdk5	MS-1059	RUO
CDw75	MS-130	IVD
Chk2	MS-1330	RUO
Chromogranin A [LK2H10]	MS-324	IVD
Chromogranin A [LK2H10 + PHE5]	MS-382	RUO
Collagen II [2B1.5]	MS-235	RUO
Collagen II [5B2.5]	MS-234	RUO
Collagen II [6B3]	MS-306	RUO
Collagen VII	MS-444	RUO
Cyclin B1	MS-868	RUO
Cyclin B1	MS-869	RUO
Cyclin D1 / Bcl-1	MS-210	RUO
Cyclin D1 / Bcl-1	MS-211	RUO
Cyclin D2	MS-213	RUO
Cyclin D2	MS-221	RUO
Cyclin D3	MS-215	RUO
Cyclin E	MS-870	RUO
Cystic Fibrosis Transmembrane Regulator (CFTR) [L12B4]	MS-1248	RUO

Description	REF Num	
Cystic Fibrosis Transmembrane Regulator (CFTR) [M3A7]	MS-1249	RUO
Cytochrome c	MS-1192	RUO
D2-40 [D2-40]	MS-1940	IVD
Desmin (Muscle Cell Marker)	MS-376	IVD
DNA-PKcs	MS-369	RUO
DOG-1	MS-1933	IVD
DP-1 Transcription Factor	MS-1056	RUO
Epidermal Growth Factor Receptor / EGFR	MS-268	RUO
Epidermal Growth Factor Receptor / EGFR	MS-311	RUO
Epidermal Growth Factor Receptor / EGFR	MS-378	RUO
Epidermal Growth Factor Receptor / EGFR	MS-609	RUO
Epidermal Growth Factor Receptor / EGFR	MS-269	RUO
Epidermal Growth Factor Receptor / EGFR	MS-316	RUO
Epidermal Growth Factor Receptor / EGFR	MS-396	RUO
Epidermal Growth Factor Receptor / EGFR	MS-665	RUO
Epithelial Membrane Antigen /EMA	MS-348	IVD
Epithelial Membrane Antigen /EMA	MS-741	IVD
Epithelial Specific Antigen	MS-675	RUO
Epithelial Specific Antigen (EMA)	MS-181	RUO
Epithelial Specific Antigen (EMAb-7) [MOC-31] Mouse	MS-1825	RUO
Epithelial Specific Antigen (Ep-CAM)	MS-144	IVD
Epithelial Specific Antigen (Ep-CAM)	MS-1898	IVD
Epstein-Barr Virus / LMP	MS-1458	IVD/ASR
Estrogen Receptor	MS-391	RUO
Estrogen Receptor [1D5]	MS-354	IVD/ASR
Estrogen Receptor [1D5+6F11]	MS-750	IVD/ASR
Ezrin / p81 / 80K / Cytovillin	MS-661	RUO
Factor VIII Related Antigen / von Willebrand Factor	MS-722	IVD
Factor XIII A	MS-1237	IVD
Fascin	MS-1112	IVD
Fibrillin 1	MS-231	RUO
Filaggrin	MS-449	RUO
Fibronectin	MS-1351	RUO
Filamin	MS-1211	RUO
Follicle Stimulating Hormone (FSH)	MS-1449	IVD
GCDFP-15 (Gross Cystic Disease Fluid Protein-15) Fluid Protein-15)	MS-1170	IVD
GFAP / Glial Fibrillary Acidic Protein	MS-1376	IVD

Description	REF Num	
GLUT-1 [SPM498]	MS-10637	IVD
Glycophorin A	MS-1843	IVD
Glypican-3	MS-1939	RUO
GnRH Receptor / LH-RH Receptor (GNRH03)	MS-1139	RUO
Granzyme B	MS-1157	IVD
Growth Hormone, Human / hGH	MS-1328	RUO
H1 [4C9C7]	MS-1941	IVD
HDJ-2 / DNAJ	MS-225	RUO
Heat Shock Protein 70 (HSP70)	MS-482	RUO
Heregulin / NDF / GGF / Neureg	MS-272	RUO
Hepatitis B Virus Surface Antigen (HBVsAg)	MS-314	RUO/ASR
Hepatocyte	MS-1810	IVD
Hepatocyte Growth Factor	MS-651	RUO
Hepatocyte Growth Factor	MS-775	RUO
Human Chorionic Gonadotropin (HCG)	MS-1065	RUO
Human Papilloma Virus (HPV)[K1H8]	MS-1826	IVD/ASR
Human Sodium Iodide Symporter(hNIS)	MS-1653	RUO
IGF-1R (alpha-Subunit)	MS-641	RUO
IGF-1R (alpha-Subunit)	MS-644	RUO
Insulin	MS-1378	RUO
Insulin Receptor (Alpha-Subunit)	MS-631	RUO
Insulin Receptor (Alpha-Subunit)	MS-632	RUO
Insulin Receptor (Alpha-Subunit)	MS-633	RUO
Insulin Receptor (Beta-Subunit)	MS-635	RUO
Insulin Receptor (Beta-Subunit)	MS-636	RUO
Interferon-a (II) / IFN-a (II)	MS-574	RUO
Involucrin	MS-126	RUO
Kappa Light Chain	MS-143	IVD
Keratin 10	MS-611	IVD
Keratin 14	MS-115	RUO
Keratin 15	MS-1068	RUO
Keratin 17	MS-489	IVD
Keratin 18	MS-142	IVD
Keratin 19	MS-198	IVD
Keratin 19	MS-1902	RUO
Keratin 19	MS-1671	RUO
Keratin 20	MS-377	IVD

Description	REF Num	
Keratin 5	MS-1896	IVD
Keratin 5 / 6	MS-1814	IVD
Keratin 16	MS-620	RUO
Keratin 7	MS-1352	IVD
Keratin 8	MS-997	IVD
Keratin 8 / 18	MS-743	IVD
Keratin 8 / 18	MS-1603	IVD
Keratin, HMW	MS-1447	IVD
Keratin, Low Molecular Weight	MS-341	IVD
Keratin, Multi	MS-149	RUO
Keratin, Pan	MS-356	RUO
Keratin, Pan	MS-343	IVD
Ku (p70)	MS-329	RUO
Ku (p70 / p80)	MS-286	RUO
Kuy (p80)	MS-285	RUO
L1 Cell Adhesion Molecule	MS-770	RUO
Lambda Light Chain	MS-180	IVD
Laminin Receptor	MS-259	RUO
LCK p56 lck LCK p56 lck	MS-164	RUO
LRP / MVP (Major Vault Protein)	MS-664	RUO
Luteinizing Hormone, Human (LH)	MS-1448	IVD
Macrophage / L1 Protein / Calprotectin	MS-148	IVD
Mammaglobin [304-1A5]	MS-1919	RUO
MAP 2a,b (Microtubule-Associated Protein)	MS-249	RUO
MAP 2a,b,c (Microtubule-Associated Protein)	MS-250	IVD
MART-1 / Melan-A	MS-612	RUO
MART-1 / Melan-A	MS-799	IVD
MART-1 / Melan-A (Cocktail)	MS-716	RUO
Mast Cell Chymase	MS-1217	RUO
Mast Cell Tryptase	MS-1216	RUO
Melanoma (gp100)	MS-364	IVD
Melanoma Marker, Pan	MS-939	RUO
Mesothelin	MS-1320	IVD
Mesothelioma	MS-1494	IVD
MGMT (O-methylguanine-DNA methyltransferase)	MS-470	RUO
MHC I (HLA-A, B, C)	MS-1218	RUO

Description	REF Num	
MHC I (HLA-A, B, C)	MS-557	RUO
MHC II (HLA-DR)	MS-133	RUO
Microglobulin Beta-2	MS-440	RUO
Microphthalmia (TranscriptionFactor) (MiTF)	MS-772	RUO
Mitochondria	MS-1372	RUO
MMP-10 (Stromelysin-2)	MS-822	RUO
MMP-11 (Stromelysin-3)	MS-1035	RUO
MMP-13 (Collagenase IV) M	MS-825	RUO
MMP-2 (72kDa Collagenase IV)	MS-567	RUO
MMP-2 (72kDa Collagenase IV)	MS-804	RUO
MMP-3 (Stromelysin-1)	MS-809	RUO
MMP-9 (92kDa Collagenase IV)	MS-816	RUO
MMP-9 (92kDa Collagenase IC) M	MS-817	RUO
MSH2 (Mismatch Repair Protein 2)	MS-1498	IVD
Mucin 2 (MUC-2)	MS-1037	IVD
Mucin 2 (MUC-2)	MS-1729	RUO
Mucin 3 (MUC-3)	MS-1734	RUO
Mucin 5AC (MUC-5AC) / Gastric Mucin	MS-145	IVD
MyoD1	MS-273	RUO
MyoD1	MS-278	RUO
Myogenin	MS-1113	RUO
Myosin, Skeletal Muscle	MS-1236	RUO
Myosin, Smooth Muscle Heavy Ch	MS-1348	RUO
Neurofilament (200kDa & 68kDa)	MS-359	IVD
Neurotrophin Receptor / NGF-Receptor (p75 NGFR)	MS-394	RUO
Notch-1	MS-1339	RUO
NY-BR-1	MS-1932	IVD
p130 Cas	MS-855	RUO
p14 ARF / p16Beta	MS-850	RUO
p170 / p-Glycoprotein / MDR	MS-660	RUO
p18 INK4c	MS-858	RUO
p21 WAF1	MS-230	IVD
p21 WAF1	MS-454	RUO
p21 WAF1	MS-891	RUO
p300 / CBP (CREB-Binding Protein)	MS-586	RUO
p53	MS-104	RUO

Description	REF Num	
p53	MS-182	RUO
p53	MS-186	IVD
p53	MS-187	RUO
p53	MS-738	IVD
p57 Kip2	MS-897	RUO
p57 Kip2	MS-1062	IVD
p73alpha/Beta	MS-762	RUO
Paxillin	MS-404	RUO
PCNA (Proliferating Cell Nuclear Antigen)	MS-106	RUO
Pds1	MS-1511	RUO
Perforin	MS-1834	IVD
Placental Alk. Phosphatase (PLAP)	MS-208	RUO
Placental Alk. Phosphatase(PLAP)	MS-734	IVD
Plastin-L	MS-1326	RUO
Progesterone MTO	MS-1040	RUO
Progesterone Receptor	MS-1882	RUO
Progesterone Receptor [hPRa 2]	MS-192	RUO
Progesterone Receptor [hPRa 2+hPR 3]	MS-298	IVD/ASR
Progesterone Receptor [hPRa 7]	MS-197	RUO
Prohibitin (Mitochondrial Marker)	MS-261	RUO
Prolactin	MS-1362	RUO
Prostate Specific Acid Phosphatase (PSAP)	MS-321	IVD
PTEN / MMAC1	MS-1601	RUO
RAD51	MS-988	RUO
Renal Cell Carcinoma Marker (gp200)	MS-409	IVD
Retinoblastoma (Rb)	MS-107	RUO
Retinoblastoma (Rb)	MS-1883	RUO
Rhodopsin (Opsin)	MS-1233	RUO
S100 Protein	MS-296	IVD
Serotonin	MS-1431	IVD
SF-1 (NR5A1,AD4BP) [N1665]	MS-1946	RUO
SHP-1	MS-1190	
Smith Antigen (sm)	MS-450	RUO
SREBP-1 (Sterol Regulatory Element Binding Protein-1)	MS-1207	RUO
Surfactant Protein B (Precursor)	MS-704	RUO
SV40 Large T Antigen	MS-1832	RUO

Description	REF Num	
Synuclein	MS-1572	RUO
TAG-72 / CA 72-4 [B72.3]	MS-138	IVD
Tartrate Resistant Acid Phosphatase (TRAP)Ab-1	MS-1768	IVD
TAU	MS-247	RUO
TdT / Terminal Deoxyribonucleotidyl Transferase	MS-1105	IVD
Thrombospondin (TSP)	MS-1066	RUO
Thrombospondin (TSP)	MS-418	RUO
Thrombospondin (TSP)	MS-420	RUO
Thrombospondin (TSP)	MS-421	RUO
Thymidine Phosphorylase / PD-ECGF	MS-499	RUO
Thyroid Transcription Factor-1 (TTF-1)	MS-699	IVD
TIMP 2	MS-571	RUO
TIMP-1	MS-608	RUO
TIMP-2	MS-1485	RUO
Topoisomerase II alpha	MS-1819	IVD
Transforming Growth Factor alpha (TGF alpha)	MS-670	RUO
Transglutaminase II	MS-224	RUO
Troponin T, Cardiac Isoform	MS-295	IVD
Tubulin-Alpha	MS-581	RUO
Tubulin-Beta	MS-1226	RUO
Tyrosinase	MS-800	IVD
Vascular Endothelial Growth Factor (VEGF)	MS-1467	RUO
Vascular Endothelial Growth Factor (VEGF)	MS-350	RUO
Villin	MS-1499	IVD
Vimentin	MS-129	IVD
Vinculin	MS-1209	RUO
von Hippel-Lindau (cHL) Protein	MS-690	RUO
XRCC1 (X-Ray Repair Cross Complementing Protein1)	MS-434	RUO
XRCC1 (X-Ray Reapair Cross Comp)	MS-1393	RUO
ZAP-70 [2F3.2]	MS-1911	IVD
MultiVision CD3 epsilon [F7.2.38] + Ki-67 [SP6]	MV-2005	IVD
Vimentin-gp100	MV-2004	IVD
Negative Control for Mouse	NC-748	RUO
Negative Control for Mouse	NC-1391	RUO
Negative Control for Rabbit	NC-100	RUO

Description	REF Num	
Actin, Smooth Muscle	RB-9010	IVD
Alpha Fetoprotein (AFP)	RB-9064	IVD
Alpha-1-Antitrypsin	RB-367	RUO
Amphiregulin	RB-258	RUO
Amyloid Precursor Protein (APP)	RB-9023	IVD
c-erbB-2 / HER-2 / neu	RB-103	RUO
C1q Complement, Polyclonal FITC Labeled	RB-1926	RUO
C4 Complement, Polyclonal FITC Labeled	RB-1927	RUO
Calretinin	RB-9002	IVD
Caspase 9 / LAP6	RB-1205	RUO
Catenin, beta	RB-1491	RUO
Catenin, beta	RB-9035	IVD
CD117 / c-Kit / SCF-Receptor	RB-9038	IVD
CD20	RB-9013	IVD
CD31 / PECAM-1 (Endothelial Cell Marker)	RB-10333	RUO
CD3epsilon (Early T-Cell Marker)	RB-360	IVD
Chromogranin A	RB-9003	RUO
Desmin (Muscle Cell Marker)	RB-9014	IVD
Dystrophin	RB-9024	IVD
Estrogen Receptor	RB-1493	RUO
Estrogen Receptor	RB-1521	RUO
Factor VIII Related Antigen / von Willebrand Factor	RB-281	IVD
Factor XIII A	RB-1464	RUO
Fibrinogen, Polyclonal FITC Labeled	RB-1924	RUO
Flk-1 / KDR / VEGFR2	RB-1526	RUO
Flt-1 / VEGFR1	RB-1527	RUO
Gastrin	RB-1459	IVD
GFAP / Glial Fibrillary Acidic Protein	RB-087	RUO
GLUT-1	RB-9052	IVD
Heat Shock Protein 90alpha / hsp90alpha (HSP86)	RB-119	RUO
Helicobacter pylori	RB-9070	IVD/ASR
IgA (alpha-Heavy Chain)	RB-1433	IVD
IgD (delta-Heavy Chain)	RB-1436	IVD
IgE (epsilon-Heavy Chain)	RB-1435	IVD

Description	REF Num	
IgG (gamma-Heavy Chain)	RB-1432	IVD
Immunoglobulin M (IgM), Polyclonal FITC Labeled	RB-1922	IVD
Kappa Light Chain	RB-333	IVD
Kappa, Polyclonal FITC Labeled	RB-1929	RUO
Keratin 14	RB-9020	IVD
Ki-67	RB-1510	RUO
Ki-67	RB-9043	RUO
Lambda Light Chain	RB-334	IVD
Lambda, Polyclonal FITC Labeled	RB-1930	RUO
Lysozyme / Muramidase	RB-372	IVD
MMP-1 (Collagenase-1)	RB-1536	RUO
Mucin 1 (MUC-1)	RB-9222	IVD
Myelin Basic Protein	RB-1460	IVD
Myeloperoxidase (MPO)	RB-373	IVD
Nitric Oxide Synthase, inducib	RB-1605	RUO
NF kappa B / p65 (Rel A)	RB-1638	RUO
Pax-5	RB-9406	IVD
PDGFR, alpha	RB-1691	RUO
PDGFR, alpha	RB-9027	RUO
Placental Lactogen (hPL)	RB-9067	IVD
Protein Gene Product 9.5	RB-9202	IVD
ROC1	RB-069	RUO
Synaptophysin	RB-1461	RUO
Ubiquitin	RB-9203	RUO
Vascular Endothelial Growth Factor (VEGF)	RB-9031	IVD/ASR
Wilm's Tumor Protein (WT1)	RB-9267	RUO
S100 A6	RB-9018	IVD
S100 Protein	RB-044	RUO
Survivin	RB-9245	RUO
Synaptophysin	RB-1461	RUO
Synuclein alpha	RB-9026	IVD
Ubiquitin	RB-9203	RUO
Vascular Endothelial Growth Factor (VEGF)	RB-9031	IVD/ASR
Wilm's Tumor Protein (WT1)	RB-9267	RUO

Description	REF Num	
ALK (Anaplastic Lymphoma Kinase) / p80 [SP8]	RM-9108	IVD
Beta-catenin	RM-2101	IVD
c-erbB-2 / HER-2 / neu [SP3]	RM-9103	IVD/ASR
c-erbB2 / HER-2 / neu [EP1045Y]	RM-2112	IVD/ASR
Calcitonin	RM-9117	IVD
Calretinin [SP13]	RM-9113	IVD
CD23 [SP23]	RM-9123	IVD
CD3 (Early T Cell Marker)	RM-9107	IVD
CD3epsilon	RM-2109	IVD
CD5 [SP19]	RM-9119	IVD
CD7 [EPR4242]	RM-2122	IVD
CD79a / mb-1 (B-Cell Marker) [SP18]	RM-9118	IVD
CD8 [SP16]	RM-9116	IVD
CDX2 [EPR2764Y]	RM-2116	IVD
Chromogranin A [SP12]	RM-9112	IVD
COX2	RM-9121	IVD
Cyclin D1 / Bcl-1 [SP4]	RM-9104	IVD
Cyclin D1 [EPR2241IHC]	RM-2113	IVD
DOG-1 [SP31]	RM-9132	IVD
E-Cadherin	RM-2100	IVD
Epidermal Growth Factor Receptor (EGFR) [EP38Y]	RM-2111	IVD
Estrogen Receptor [SP1]	RM-9101	IVD
Keratin 18	RM-2108	IVD
Keratin 5	RM-2106	IVD

Description	REF Num	
Keratin 8	RM-2107	IVD
Ki-67 [SP6]	RM-9106	IVD
Napsin-A [EPR6252]	RM-2121	IVD
p504S/ AMACR [13H4]	RM-9130	RUO/ ASR
p53	RM-2103	IVD
p53 [SP5]	RM-9105	IVD
Pax-5	RM-9133	IVD
Placental Alk. Phosphatase (PLAP)	RM-9115	IVD
PMS2 [EPR3947]	RM-2120	IVD
Progesterone Receptor [SP2]	RM-9102	IVD
Progesterone Receptor [YR85]	RM-2114	IVD/ASR
Prostate Specific Membrane Antigen (PSMA) [SP29]	RM-9131	IVD
PSA [EP1588Y]	RM-2104	RUO/ASR
Synaptophysin (Neuroendocrine Marker)	RM-9111	IVD
Vimentin	RM-9120	IVD
Heparan Sulfate Proteoglycan	RT-794	RUO
Laminin B2 / Beta 1	RT-796	RUO
Laminin B2 / gamma1	RT-795	RUO
Vitamin D Receptor (VDR)	RT-200	RUO
C3c Complement, Polyclonal FITC Labeled C Labeled	SH-1923	RUO
Immunoglobulin A (IgG), Polyclonal FITC Labeled	SH-1920	RUO
Immunoglobulin G (IgG), Polyclonal FITC Labeled	SH-1921	RUO

Rabbit Monoclonal Antibodies

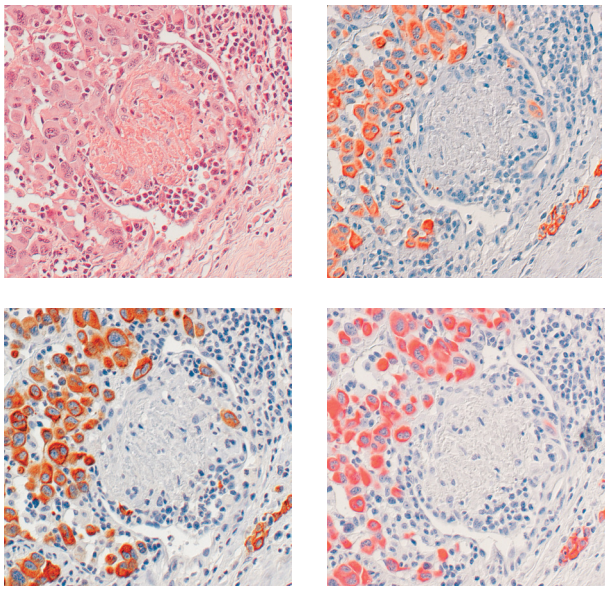
Description	Clone	Order Number	Use
E-Cadherin	EP700Y	RM-2100	IVD
Beta-Catenin	E247	RM-2101	IVD
p53	Y5	RM-2103	IVD
PSA	EP1588Y	RM-2104	RUO/ASR
Cytokeratin 5	EP1601Y	RM-2106	IVD
Cytokeratin 8	EP1628Y	RM-2107	IVD
Cytokeratin 18	E431-1	RM-2108	IVD
CD3epsilon	EP449E	RM-2109	IVD
Epidermal Growth Factor Receptor	EP38Y	Rm-2111	IVD
c-erbB2 / HER-2 / neu	EP1045Y	RM-2112	IVD/ASR
Progesterone Receptor	YR85	RM-2114	IVD/ASR
CD20	EP459Y	RM-2115	IVD
CDX2	EPR2764Y	RM-2116	IVD
MSH6	EPR3945	RM-9119	IVD
PMS2	EPR3947	RM-2120	IVD
Napsin-A	EPR6252	RM-2121	IVD
CD7	EPR4242	RM-2122	IVD
Estrogen Receptor	SP1	RM-9101	IVD
Progesterone Receptor	SP2	RM-9102	IVD
c-erbB-2 / HER-2 / neu	SP3	RM-9103	IVD/ASR
Cyclin D1 / Bcl-1	SP4	RM-9104	IVD
p53	SP5	RM-9105	IVD
Ki-67	SP6	RM-9106	IVD
CD3 (Early T Cell Marker)	SP7	RM-9107	IVD
ALK (Anaplastic Lymphoma Kinase)	SP8	RM-9108	IVD
Synaotophysin (Neuroendocrine Marker)	SP11	RM-9111	IVD
Chromogranin A	SP12	RM-9112	IVD
Calretinin	SP13	RM-9113	IVD
Placental Alk. Phosphatase (PLAP)	SP15	RM-9115	IVD
CD8	SP16	RM-9116	IVD
Calcitonin	SP17	RM-9117	IVD
CD79a / mb-1 (B-cell marker)	SP18	RM-9118	IVD
CD5	SP19	RM-9119	IVD
Vimentin	SP20	RM-9120	IVD
COX2	SP21	RM-9121	IVD
p504S / AMACR	13H4	RM-9130	RUO/ASR
Prostate Specific Membrane Antigen (PMSA)	SP29	RM-9131	IVD
DOG-1	SP31	RM-9132	IVD
Pax-5	SP34	RM-9133	IVD

Rabbit monoclonal antibodies combine the benefits of outstanding antigen detection in the rabbit immune system with the specificity and consistency of monoclonal antibodies, making them one of the best antibodies around[1].

Antibodies produced in rabbits have a greater affinity than antibodies taken from mice. New cloning technologies allow the production of highly specific and sensitive antibodies from rabbits.

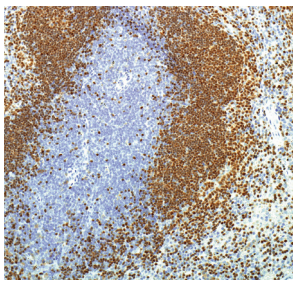
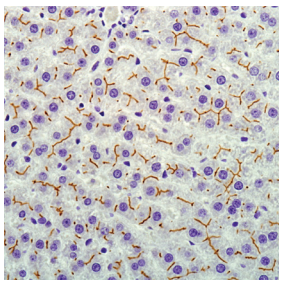
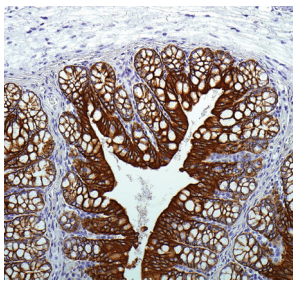
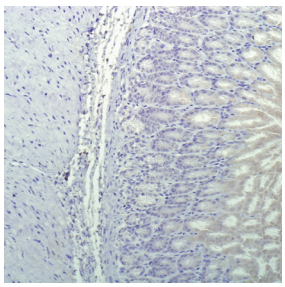
At the same time, the rabbit immune system generates antibody diversity and optimizes the affinity of the antibodies generated using mechanisms which are considerably more efficient than in mice or other rodents. This means that many antigens which are not immunogenic in mice or rats do trigger a response in rabbits.

Studies show rabbit monoclonal antibodies are more sensitive and specific than other available markers[1].



[1]Rossi S, et al. (2005). Rabbit Monoclonal Antibodies: A Comparative Study Between a Novel Category of Immunoreagents and the Corresponding Mouse Monoclonal Antibodies. Am. J. Clin. Pathol. 124:295-302. Doi: 10.1309/NR8HN08GDPVEMU08.

Mouse on Mouse HRP Detection System

Historically immunohistochemistry (IHC) staining with mouse antibodies on mouse tissue has been a challenge. The results were compromised by high levels of undesirable background or weak signal from interactions between the detection system and mouse tissues. The Epredia UltraVision Quanto Mouse on Mouse HRP Detection System eliminates these challenges so laboratories can routinely produce optimal results.

Suggested Primary Antibodies

Mouse antibodies from any source are compatible with the UltraVision Quanto Mouse on Mouse Detection System. Below are a few antibodies and suggested protocols that you may find useful for your research

Description	Qty.	Order Number	Use
Quanto Mouse on Mouse	60 mL	TL-060-QHDM	RUO
DAB Quanto	60 mL	TA-060-QHDX	IVD
Antibody Diluent OP Quanto	125 mL	TA-125-ADQ	IVD

Description	Clone	Order Number	Antigen Retrieval*	Incubation Time
CD4	4B12	MS-1528	Dewax and HIER Buffer M (EDTA-based) 20 minutes 98c	30 min
CD7a	JCB117	MS-1171	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20 min
CD8	C8/144B	MS-457	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20 min
Cdk1	A17.1.1	MS-110	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20 min
CK7	OV-TL 12/30	MS-1352	Dewax and HIER Buffer M (EDTA-based) 20 minutes 98c	20 min
Cytochrome C	7H8.2C12	MS-1192	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20 min
Hepatocyte	0CH1E5	MS-1810	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20 min
P300/CBP	NM11	MS-586	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20 min
PCNA	PC10	MS-106	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20 min
TFF1	8G7G3/1	MS-699	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20 min
Villin	CWWB1	MS-1499	Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c	20min

*Please reference the product Instruction For Use for updates.

IHC Detection Systems

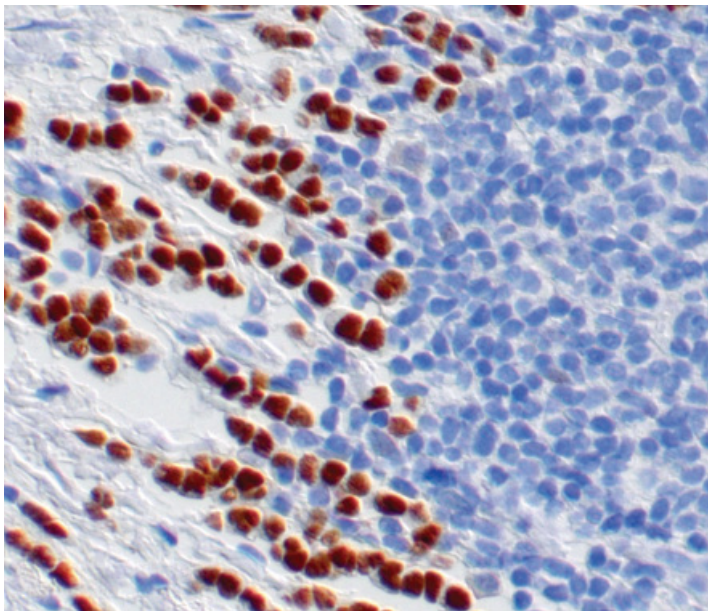
Which detection system is best for your laboratory?

To complement our robust antibody portfolio we offer an array of detection technologies designed to meet the needs of the clinical and research market. The following guide is designed to help you determine the best kit for your application. See the following detection system packages for detailed information on each detection kit. When in doubt you may contact your local representative or our technical service team at lab.reagents@thermofisher.com.

UltraVision Quanto Detection Kit (IVD)

The UltraVision Quanto Detection System utilizes innovative micropolymer technology that enhances sensitivity while reducing costs and turnaround time[2]. This system is optimized for mouse and rabbit antibodies on human specimens and is ideal for routine clinical testing.

Description	REF Num	Use
UltraVision Quanto Detection System AP 60 mL	TL-060-QAL	IVD
UltraVision Quanto Detection System HRP DAB 60 mL	TL-060-QHD	IVD
UltraVision Quanto AP 1 L	TL-999-QAL	IVD
UltraVision Quanto Complete Kit 125 mL	TL-125-QCK	IVD
UltraVision Quanto Complete Kit 60 mL	TL-060-QCK	IVD
UltraVision Quanto Detection System AP 125 mL	TL-125-QAL	IVD
UltraVision Quanto Detection System HRP 125 mL	TL-125-QHL	IVD
UltraVision Quanto Detection System HRP 60 mL	TL-060-QHL	IVD
UltraVision Quanto Detection System HRP DAB 125 mL	TL-125-QHD	IVD
UltraVision Quanto Detection System HRP DAB Sample 15 mL	TL-015-QHD	IVD
UltraVision Quanto HRP 1LTL-999-QPB/QPH and TA-999-PBQ	TL-999-QHL	IVD
UltraVision Quanto HRP DAB 1 L	TL-999-QHD	IVD



[2]NoriQC Review of Technical Test Approach Montreal 2010 http://www.nordiqc.org/seminars/Nielsen-Montreal-08-July-10.pdf

IHC Detection Systems

UltraVision Labeled Polymer (LP) (IVD)

UltraVision LP is the predecessor of UltraVision Quanto. UltraVision LP works well in clinical applications and produces strong, consistent results.

Note: UltraVision LP enhances mouse antibodies but does not enhance rabbit antibodies.

Description	REF Num	Use
Kit PV HRP polymer 1LTL-999-PB/PH and TA-999-PBQ	TL-999-HL	IVD
UltraVision LP HRP Polymer & DAB Chromogen 15 mL	TL-015-HD	IVD
UltraVision LP HRP Polymer & DAB Chromogen 60 mL	TL-060-HD	IVD
UltraVision LP HRP Polymer & DAB Chromogen 125 mL	TL-125-HD	IVD
UltraVision LP Large Vol AP Polymer (RTU) 60 mL	TL-060-AL	IVD
UltraVision LP Large Vol AP Polymer (RTU) 125 mL	TL-125-AL	IVD
UltraVision LP Large Vol HRP Polymer (RTU) 60 mL	TL-060-HL	IVD
UltraVision LP Large Vol HRP Polymer (RTU) 125 mL	TL-125-HL	IVD

IHC Detection Systems

UltraVision ONE (IVD)

UltraVision ONE offers the protocol with the least number of steps and is ideal for clinical applications with frozen section or where few steps are ideal.

Description	REF Num	
UltraVision ONE Large Vol, HRP Polymer (RTU) 125 mL	TL-125-HLJ	IVD
UltraVision ONE Large Vol. AP Polymer (RTU) 125 mL	TL-125-ALJ	IVD
UltraVision ONE, AP Polymer & Fast Red Chromogen 15 mL	TL-015-AFJ	IVD

Multivision (IVD)

The Multivision system is designed for visualizing two antigens on a single slide.

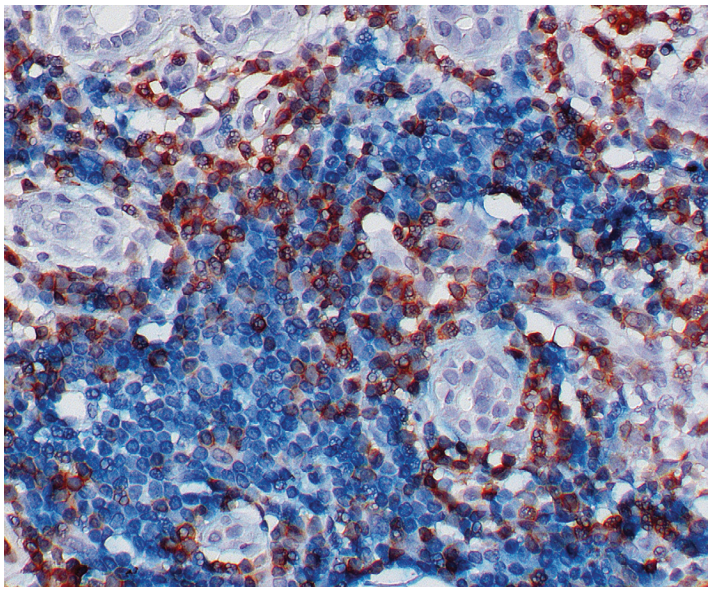
Epredia UltraVision and UltraVision Plus (IVD)

Robust Biotin and Streptavadin System

Epredia UltraVision LP Value (IVD)

Similar technology to UltraVision LP at a more affordable price

Description	REF Num	
MV Polymer/ anti-mouse/ AP+anti Rabbit/HRP 12 mL	TL-012-MARH	IVD
MV Polymer/ anti-mouse/ HRP+anti Rabbit/AP 12 mL	TL-012-MHRA	IVD



IHC Ancillary Products

Description	REF Num	
Antibody Diluent OP Quanto	TA-125-ADQ	IVD
Tween 20 (Polyoxyethelenesorbitan Monolaurate) 125 mL	TA-125-TW	RUO
UltraVision DAB Away 250 mL	TA-250-DA	IVD
UltraVision Protein Blk 125 ml	TA-125-PBQ	IVD
UltraVision Protein Block 60 ml	TA-060-PBQ	IVD
UV Hydrogen Peroxide Block 1 L	TA-999-H2O2Q	IVD
UV Hydrogen Peroxide Block 125 ml	TA-125-H2O2Q	IVD
UV Hydrogen Peroxide Block 60 ml	TA-060-H2O2Q	IVD
FITC Protein Blocking Agent (PBA) 6 mL	TA-006-PBA	IVD
Phosphate Buffered Saline (10X) 10 mL	AP-9009-10	IVD
Phosphate Buffered Saline and Tween 20 Large Vol (20X)	TA-999-PT	IVD
Tris Buffer Saline and Tween 20 Large Vol (20X) 999 mL	TA-999-TT	IVD

Description	REF Num	
Large Vol Phosphate Buffered Saline (25X) 125 mL	TA-125-PB	IVD
Large Vol Phosphate Buffered Saline and Tween 20 (20X) 125 mL	TA-125-PT	IVD
Large Vol Tris Buffer Saline and Tween 20 (20X) 125 mL	TA-125-TT	IVD
Large Vol Tris Buffered Saline (25X) 125 mL	TA-125-TB	IVD
Mayer's Hematoxylin 125 mL	TA-125-MH	IVD
Mayer's Hematoxylin 60 mL	TA-060-MH	IVD
PermaFluor Aqueous Mounting Medium 30 mL	TA-030-FM	IVD
PermaFluor Aqueous Mounting Medium 6 mL	TA-006-FM	IVD
SI Prep, Aqua-Mount 125 mL	TA-125-AM	IVD