



The Next Generation Micro-Polymer Detection System

Thermo Scientific UltraVision Quanto Detection System
for Immunohistochemistry

- Enhanced Sensitivity
- Crisp and Clean Results
- Reduced Cost per Test
- Shorter Incubation Times

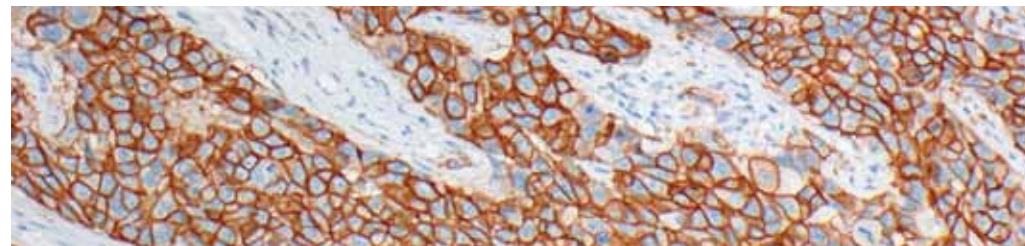
UltraVision Quanto – The New Standard in Immunohistochemistry Detection

Using innovative micro-polymer technology the Thermo Scientific UltraVision Quanto detection system enhances sensitivity while reducing costs and turnaround time. The UltraVision Quanto system enhances antibodies of both Rabbit and Mouse origin allowing shorter incubation times, and further dilution of expensive primary antibodies.

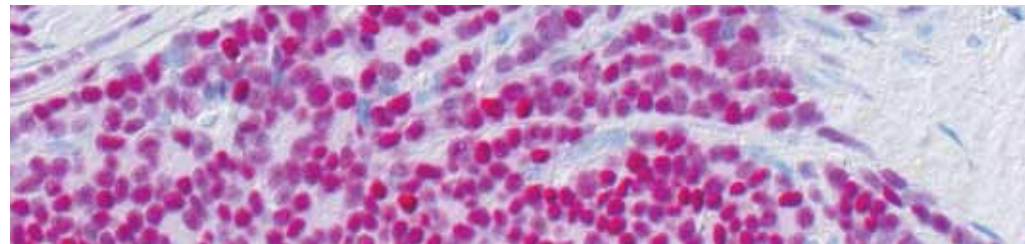
See the UltraVision Quanto System Difference in your Laboratory

Convince yourself of the superior results at a lower cost per test on your open or manual IHC system by evaluating the UltraVision Quanto system in your laboratory. The following pages demonstrate the capabilities of this new detection system organized by tumor origin.

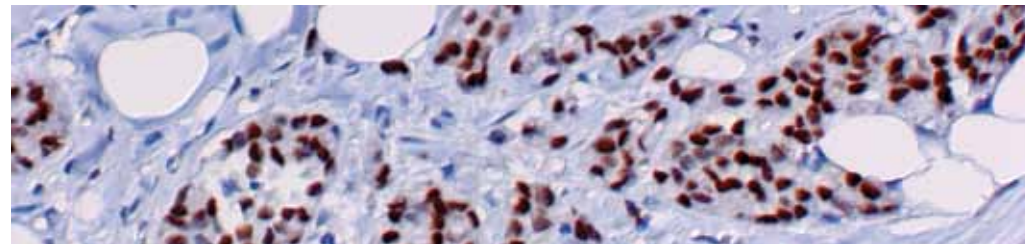
Breast Markers



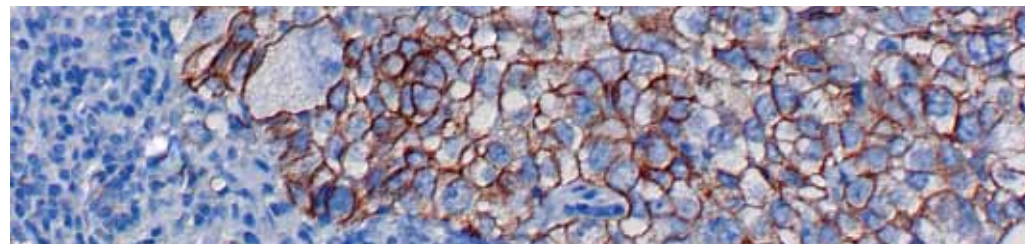
Her2.neu
c-erbB-2
clone EP1045Y
RM-2112



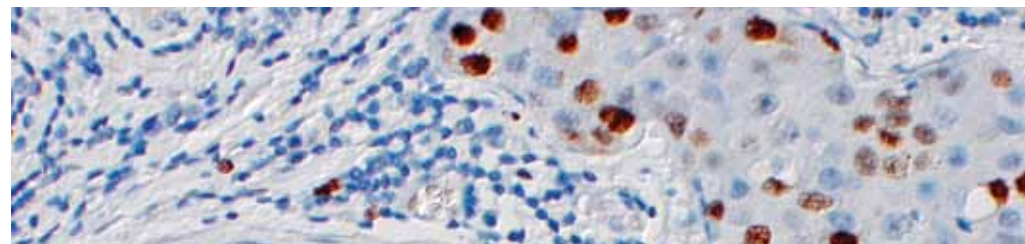
Estrogen Receptor
clone SP1
RM-9101



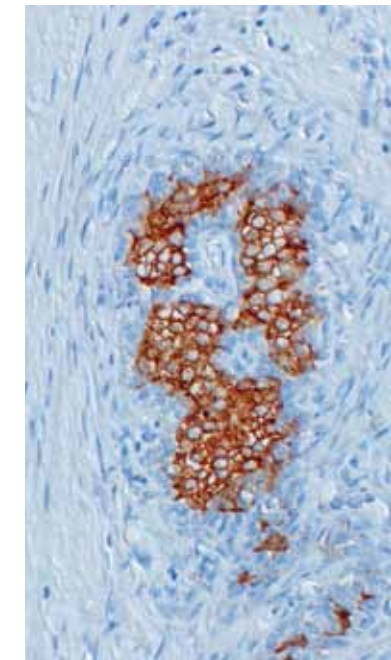
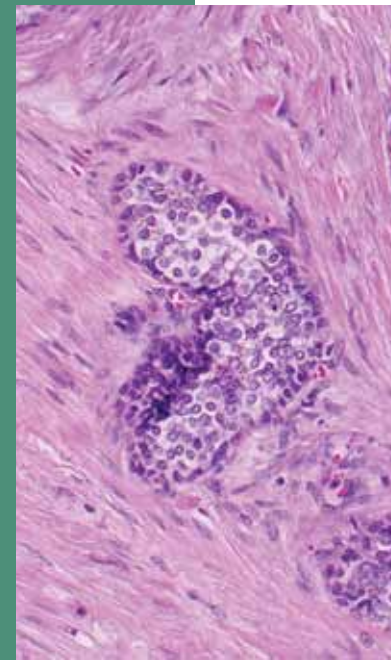
Progesterone Receptor
clone YR85
currently under development



E-Cadherin
Clone EP700Y
RM-2100

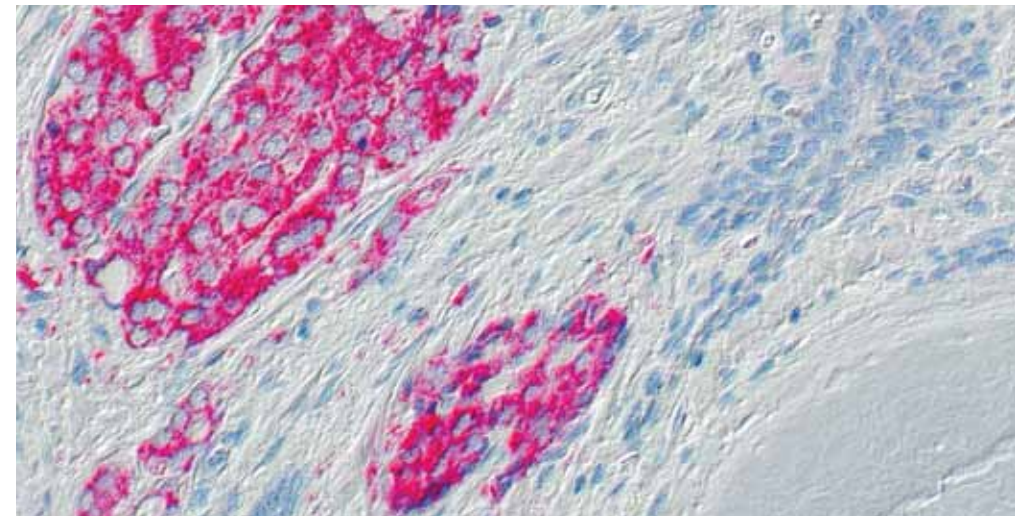


Ki-67
clone SP6
RM-9106

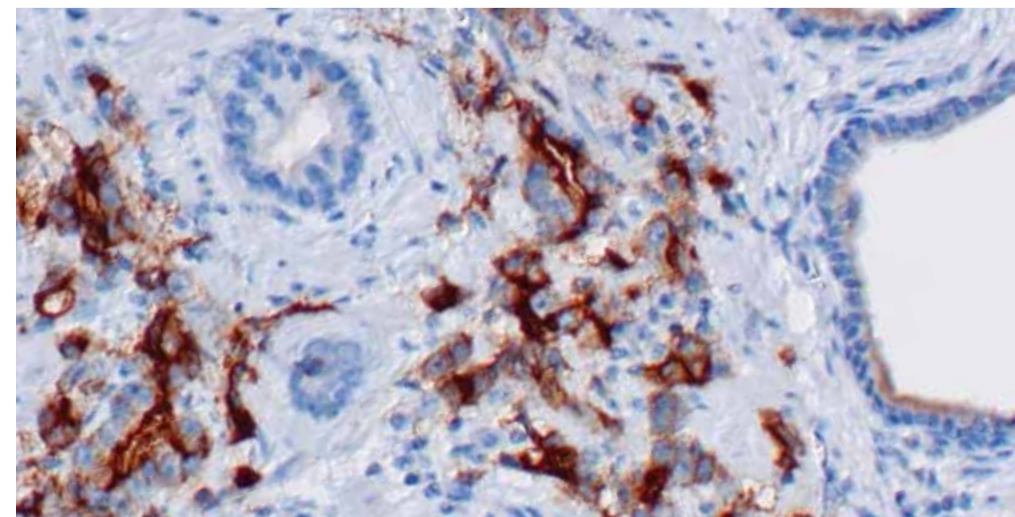


<< Prostate
Carcinoma H&E

< Corresponding IHC slide
PSA (Prostate Specific Antigen)
clone EP1588Y
RM-2104



P504s – AMACR
clone 13H4
RM-9130



PSMA
(Prostate Specific Membrane Antigen)
clone SP29
RM-9131

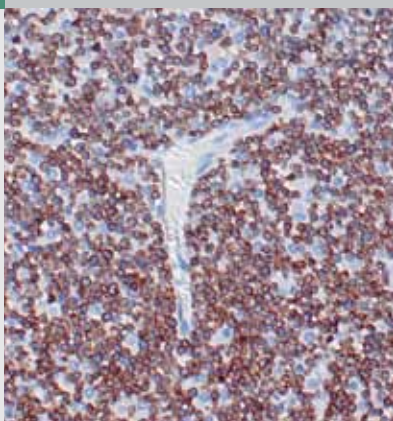
Prostate Markers

The UltraVision Quanto system yields crisp clean results even on prostatic tissue known to frequently show non-specific staining

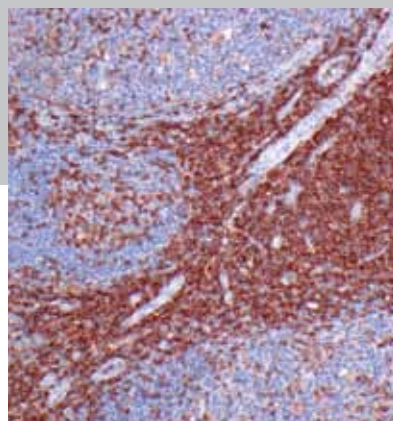
Lymphatic tissues

Crisp and clear staining is easy on lymphatic tissue with the UltraVision Quanto detection system.

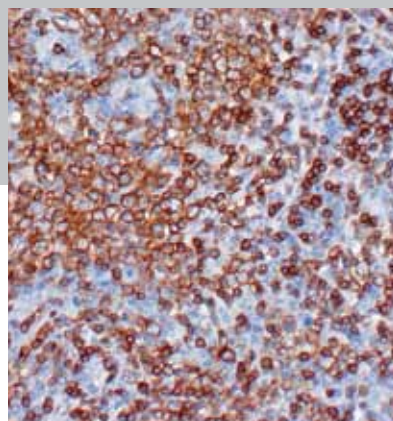
CD3 >
clone EP449E
RM-2109
Lymphoma



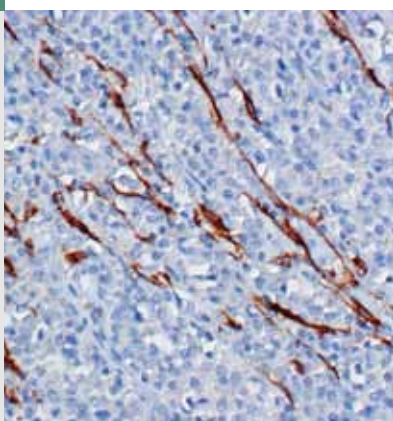
CD4 >>
clone 4B12
MS-1528
Tonsil



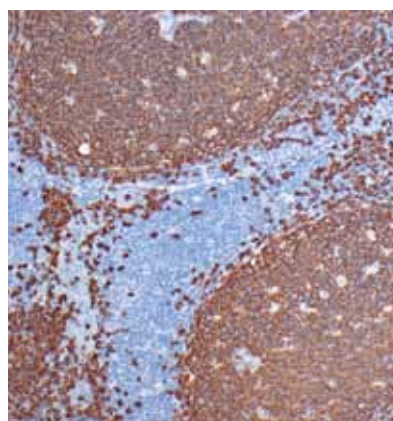
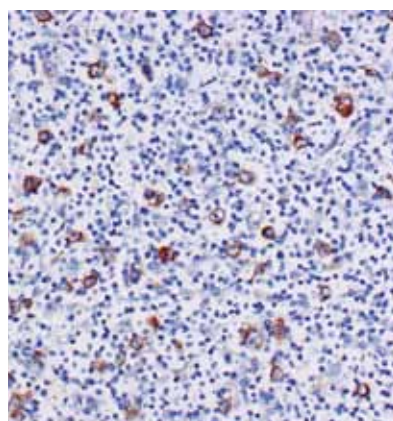
CD5 >>>
clone SP19
RM-9119
Lymphoma



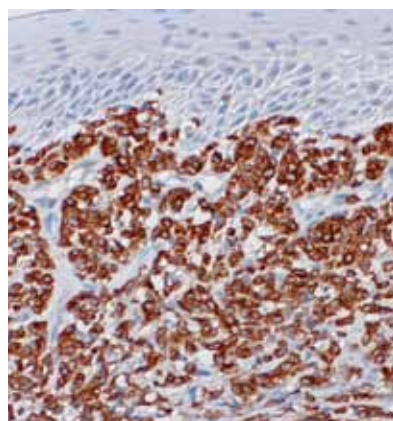
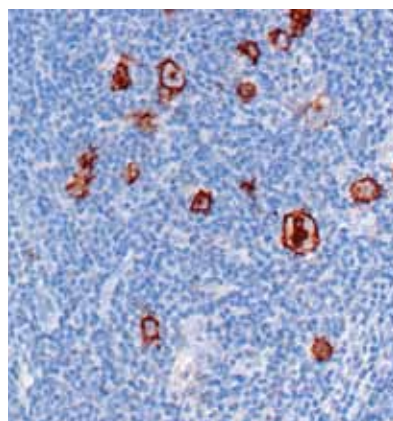
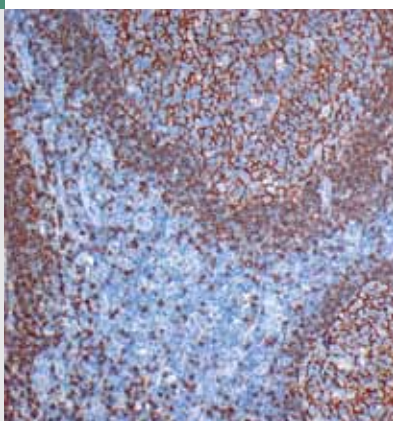
CD10/CALLA >
clone 56C6
MS-728
Lymphoma



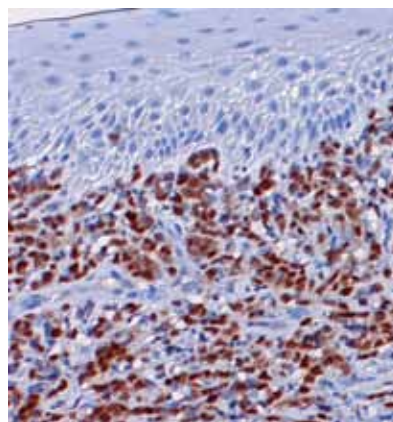
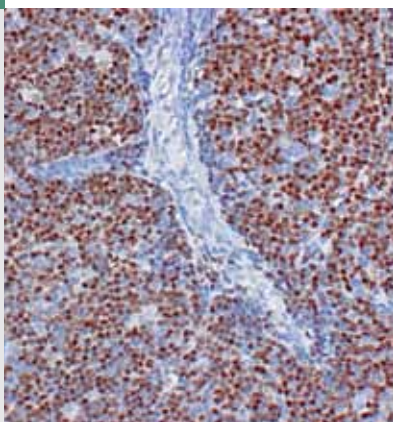
CD15 >>
clone MMA = LeuM1
MS-1259
Hodgkin's Lymphoma



CD20 >>>
clone 126
MS-340
Tonsil



CD23 >
clone SP23
RM-9123
Lymphoma

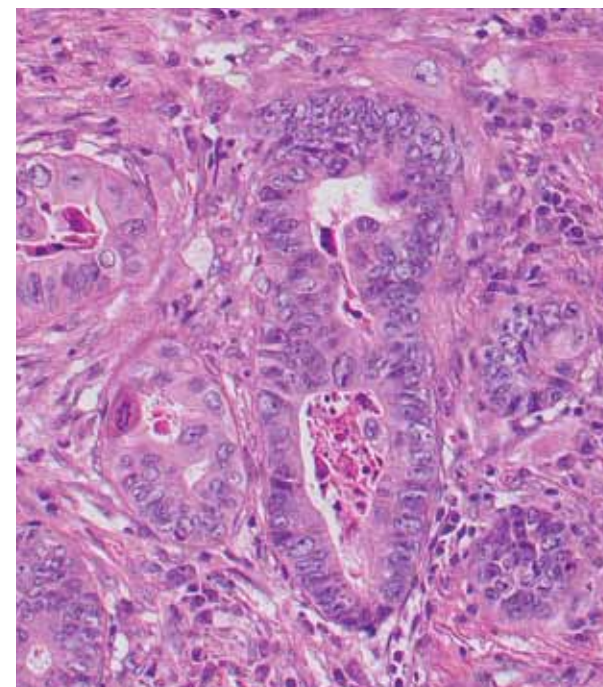


CD30 >>
clone Ber-H2
MS-361
Hodgkin's Lymphoma

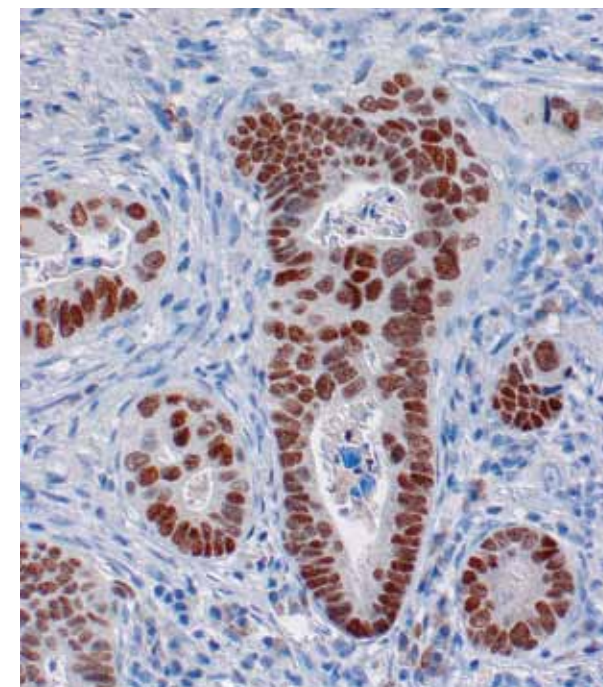
CD79A >>>
clone SP18
RM-9118
Lymphoma

Cyclin D1 >
clone EPR2241IHC
RM-2113
Mantle Cell Lymphoma

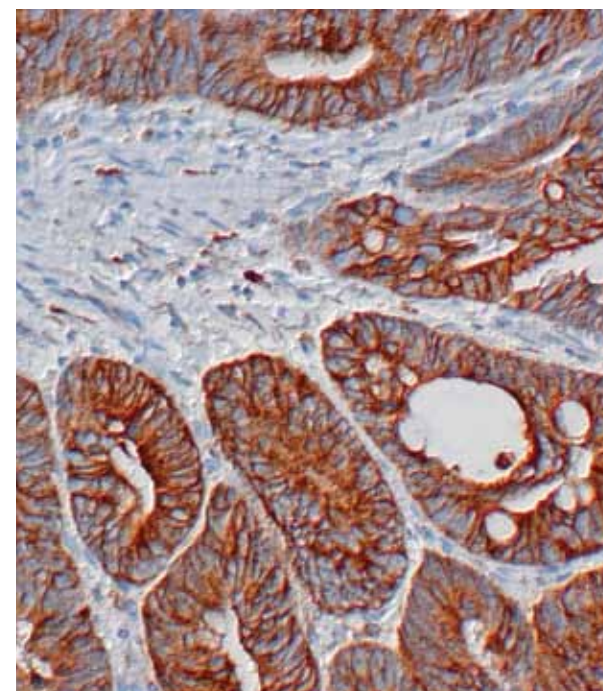
Pax-5 >>
clone SP34
RM-9133
Lymphoma



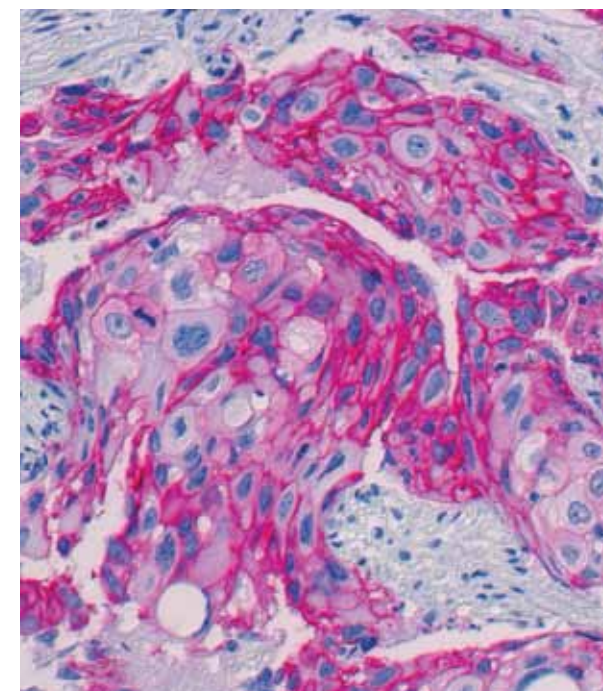
H&E staining
Colon Carcinoma Metastasis



CDX2
clone EPR2764Y
RM-2116



COX2
clone SP21
RM-9121
Colon Carcinoma



EGFR
clone EP38Y
RM-2111
Lung Adenocarcinoma

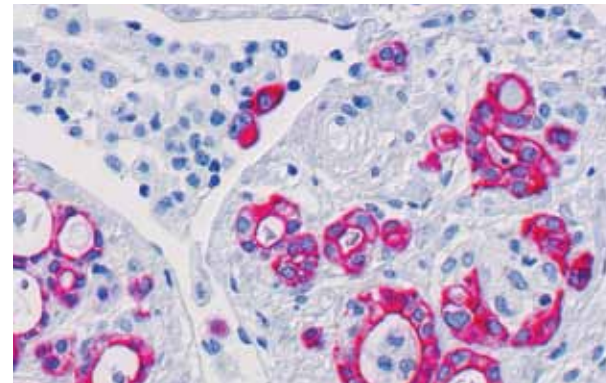
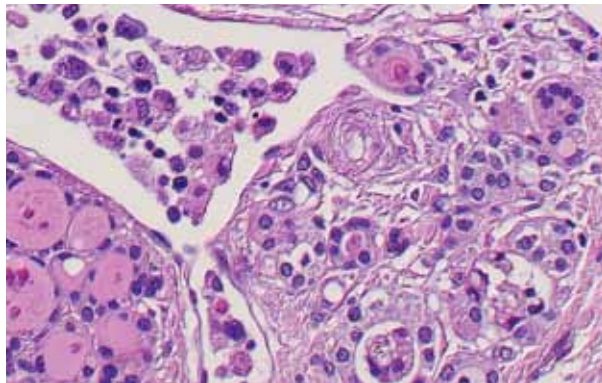
Examples of the Colon Panel

Simple reproducible results, the UltraVision Quanto system makes the best use of your valuable antibodies on colon or any other tissue types.

Please visit www.thermoscientific.com/labvision or review our catalog for the full range of lymphatic markers.

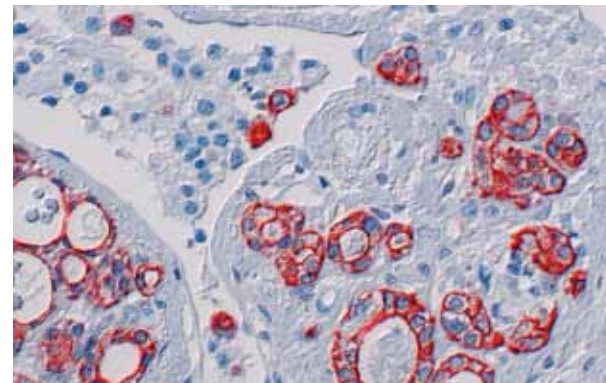
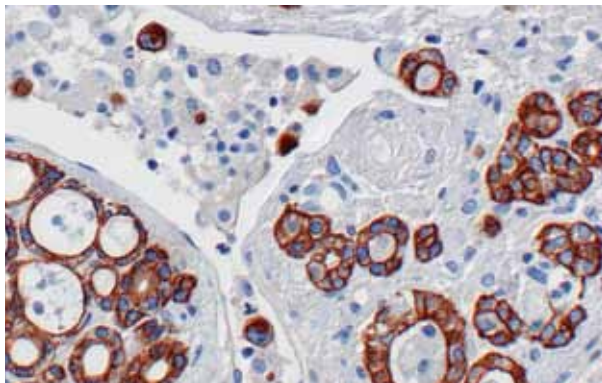
Cytokeratins of Mouse or Rabbit Origin

The UltraVision Quanto detection system enhances both rabbit and mouse markers providing optimal results with any of your preferred markers.



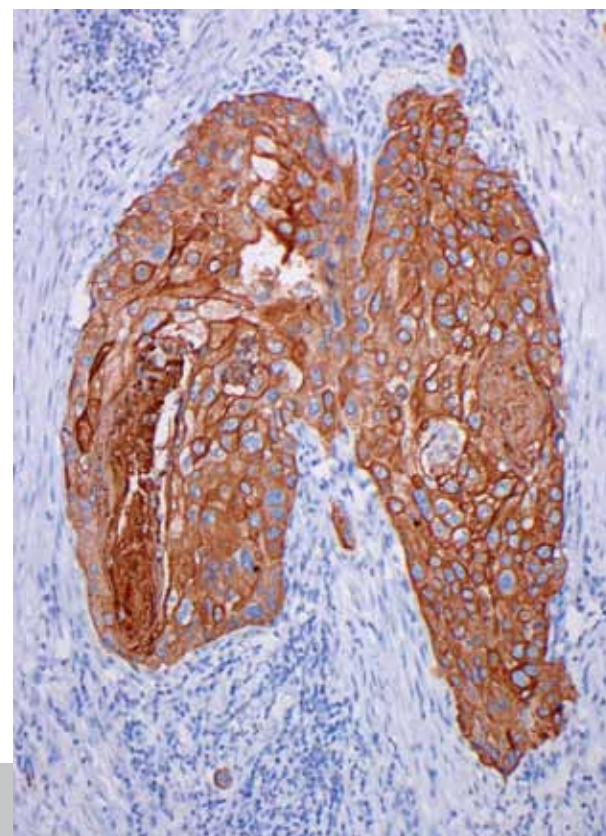
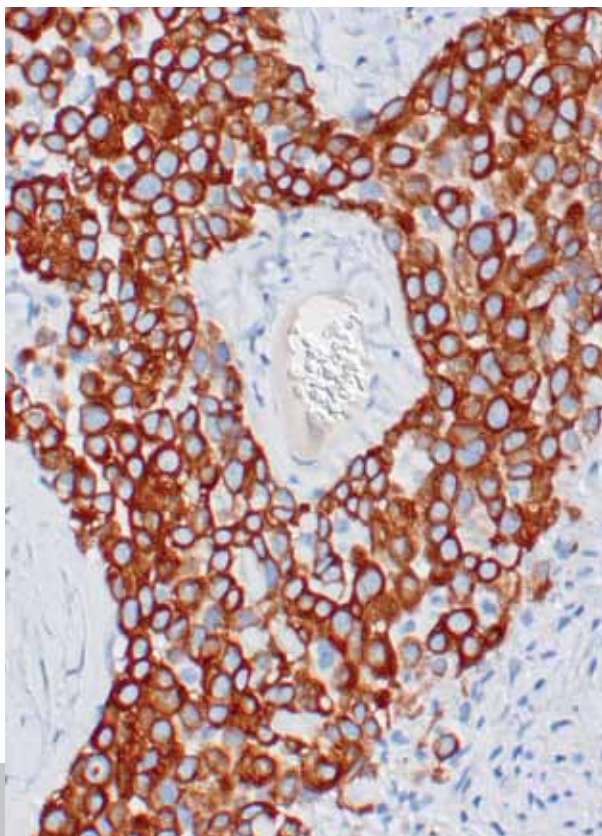
<< H&E Staining
Thyroid Carcinoma

< Cytokeratin 8
clone EP1628Y
RM-2107
visualized with
UltraVision Quanto
AP/LFR



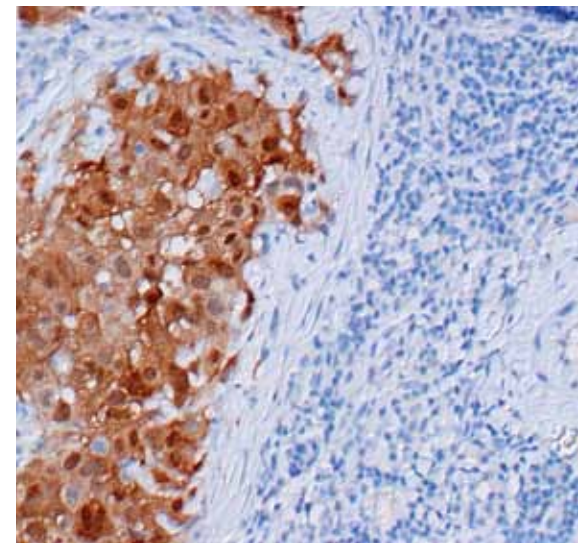
<< Cytokeratin 8
clone EP1628Y
RM-2107
visualized with
UltraVision Quanto
HRP/DAB

< Cytokeratin 8
clone EP1628Y
RM-2107
visualized with
UltraVision Quanto
HRP/AEC

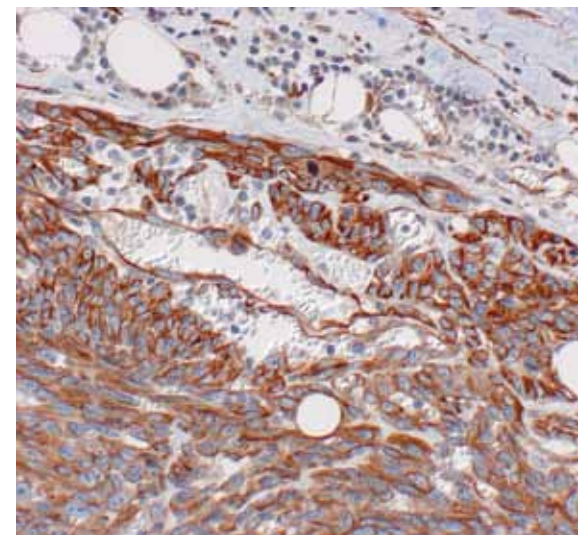


<< Cytokeratin
clone EP1601Y
RM-2106
Mesothelioma

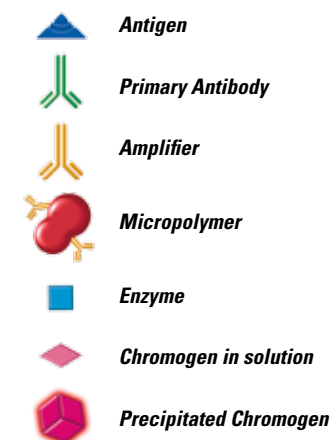
< pan Cytokeratin
clone AE1/AE3
MS-343
Lung Carcinoma



Calretinin, clone SP13, RM-9113, Mesothelioma



VEGF, rabbit polyclonal, RB-9031, Angiosarcoma

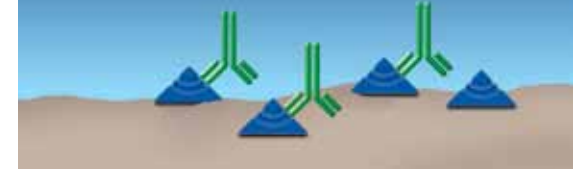


* Most Quanto optimized tests are validated with the incubation times shown at right.

The Operating Principle Of The UltraVision Quanto System

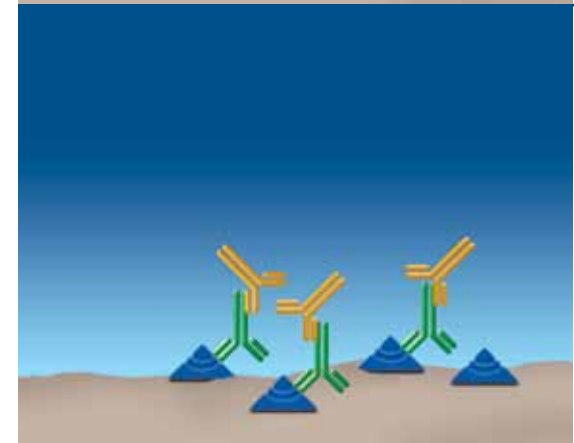
< 1. Primary antibody binds to antigen.

INCUBATION TIME
20
MINUTES



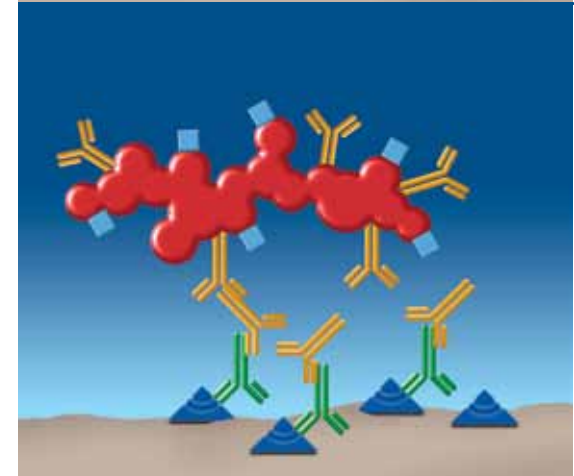
< 2. Enhancer binds to primary antibody amplifying the signal.

INCUBATION TIME
10
MINUTES



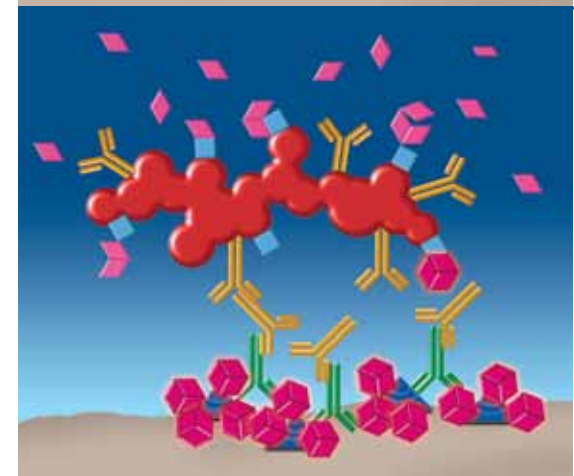
< 3. Micropolymer polymerizes on the enhancer further amplifying the primary signal.

INCUBATION TIME
10
MINUTES



< 4. Conjugated enzymes precipitate the Chromogen resulting in the crisp and clear stain.

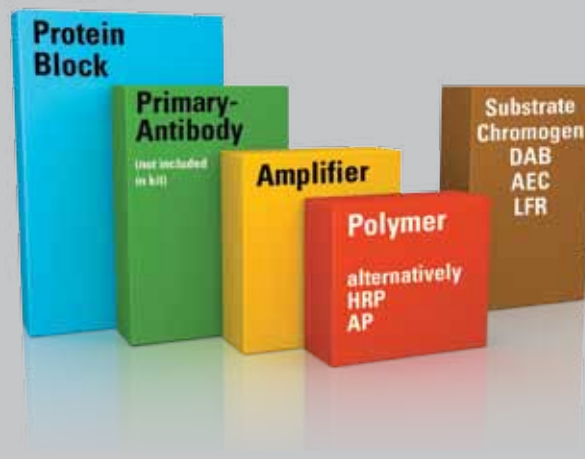
INCUBATION TIME
5
MINUTES



The UltraVision Quanto system stands apart from the rest

We can confidently compare any clinical detection system to the UltraVision Quanto detection system. Contact us today for an evaluation sample (Customer Care 800-828-1628, option 1).

The UltraVision Quanto detection system represents the decade's quantum leap in polymeric labeling. Innovative micro-polymer technology provides speed and economy while achieving unique sensitivity and enhanced reactivity. Cytoplasmic, membrane and even challenging nuclear markers yield ideal results. The UltraVision Quanto system enhances the detection of antigens expressed at low levels without the background staining of avidin or biotin. The UltraVision Quanto system provides the ultimate IHC detection system for combined speed, economy and sensitivity to achieve superior and consistent results.



Description	This kit contains:	Amount	Product Number
HRP (horseradish peroxidase)			
UltraVision Quanto (HRP)	Ultra V Block, Amplifier, HRP-Polymer	60 ml	TL-060-QHL
UltraVision Quanto (HRP)	Ultra V Block, Amplifier, HRP-Polymer	125 ml	TL-125-QHL
UltraVision Quanto (HRP DAB)	Ultra V Block, Amplifier, HRP-Polymer, DAB Quanto	60 ml	TL-060-QHD
UltraVision Quanto (HRP DAB)	Ultra V Block, Amplifier, HRP-Polymer, DAB Quanto	125 ml	TL-125-QHD
AP (alkaline phosphatase)			
UltraVision Quanto (AP)	Ultra V Block, Amplifier, AP-Polymer	60 ml	TL-060-QAL
UltraVision Quanto (AP)	Ultra V Block, Amplifier, AP-Polymer	125 ml	TL-125-QAL

Thermo Scientific Chromogens – Strong staining for brilliant results

Thermo Scientific chromogens combine ease-of-use with crisp and clear staining and optimal contrast.

DAB Quanto NEW – The Thermo Scientific DAB Quanto Chromogen produces strong yet crisp staining with improved stability. Upon Mixing, the DAB Quanto Chromogen is stable for one week at room temperature or two weeks when refrigerated. Increased stability means less unused product, less variation and improved productivity. The DAB Quanto Chromogen can be used with any HRP detection system but is optimized for the UltraVision Quanto system.

Description	Additional Information	Amount	Product Number
AEC (ready to use)	Dark red, for UltraVision Quanto HRP, to be coverslipped with aqueous mounting medium	60 ml	TA-060-SA
AEC (ready to use)	Dark Red, for UltraVision Quanto HRP, to be coverslipped with aqueous mounting medium	125 ml	TA-125-SA
DAB Quanto (2 components)	Brown, for UltraVision Quanto HRP, can be coverslipped by using organic solvents	60 ml	TL-060-QHDX
DAB Quanto (2 components)	Brown, for UltraVision Quanto HRP, can be coverslipped by using organic solvents	125 ml	TL-125-QHDX

All specimens depicted in this brochure are courtesy of either:

University Medical Center of Cologne, Germany, Institute for Pathology,
Dept. Hematopathology, PD Dr. H. M. Kvasnicka, Mr. G. Simons

Robert-Bosch-Hospital Stuttgart, Germany, Institute for Pathology,
Prof. Dr. G. Ott, Mrs. D. Rauh

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