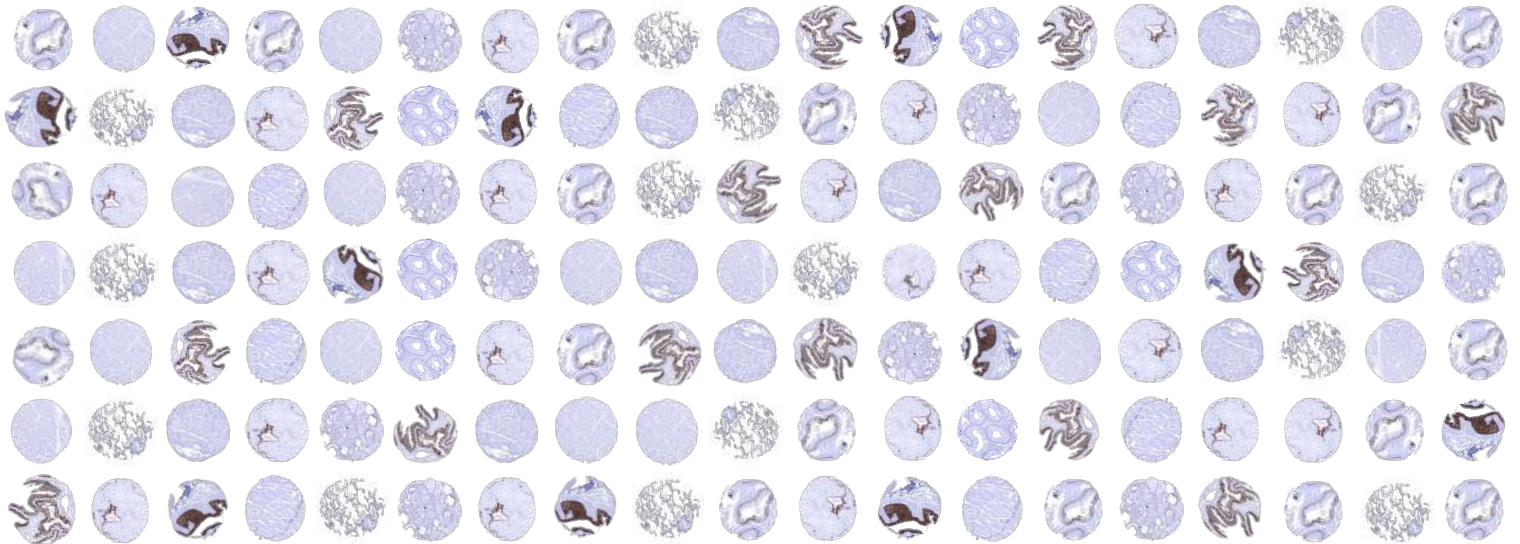




MS

# Validated Antibodies

Large-Scale Validated Antibodies for  
Immunohistochemistry



[www.ms-validatedantibodies.com](http://www.ms-validatedantibodies.com)

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Catalog 2024

## MS Validated Antibodies GmbH

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E-Mail: [info@ms-validatedantibodies.com](mailto:info@ms-validatedantibodies.com)

Website: [ms-validatedantibodies.com](http://ms-validatedantibodies.com)



SCAN ME

For information on the specific selection and validation of MSVA antibodies see page 1-9.

Our product overview and the individual antibodies can be found on page 10-28.

A distributor list is located on the last page.

# MS Validated Antibodies

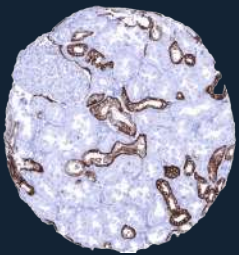
Large-scale tissue-validated antibodies specifically designed  
for immunohistochemistry on formalin-fixed tissue

Unique antibody documentation on the MSVA website with 60-100 images of relevant  
normal tissues and selected tumors

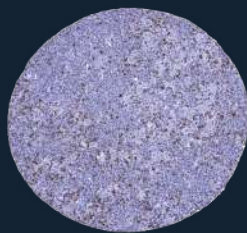
Documented performance characteristics of many antibodies in studies involving more  
than 10,000 tumors

Strict product selection criteria: Only 155 of the first 6,000 antibodies evaluated were selected for  
the MSVA portfolio

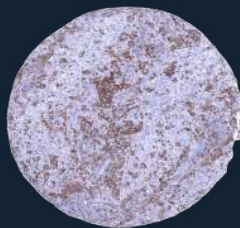
## MSVA Product Highlights



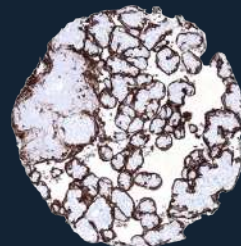
**Trop2 / TACSTD2**  
MSVA-733R



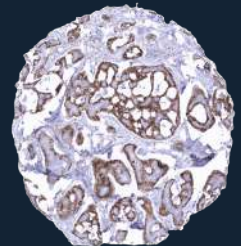
**CTLA-4**  
MSVA-152R



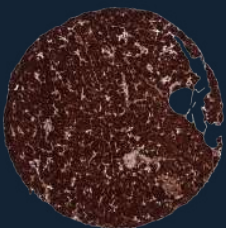
**TIM3**  
MSVA-366R



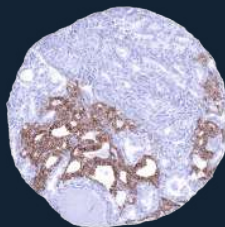
**PLAP**  
MSVA-350R



**Mesothelin**  
MSVA-235M



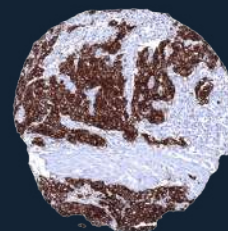
**CPA1**  
MSVA-601M



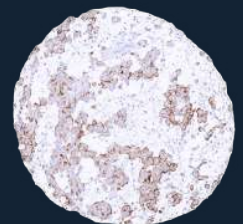
**CDH16**  
MSVA-516R



**Uroplakin 1a**  
MSVA-735M



**Uroplakin 1b**  
MSVA-734M



**Uroplakin 3b**  
MSVA-736M



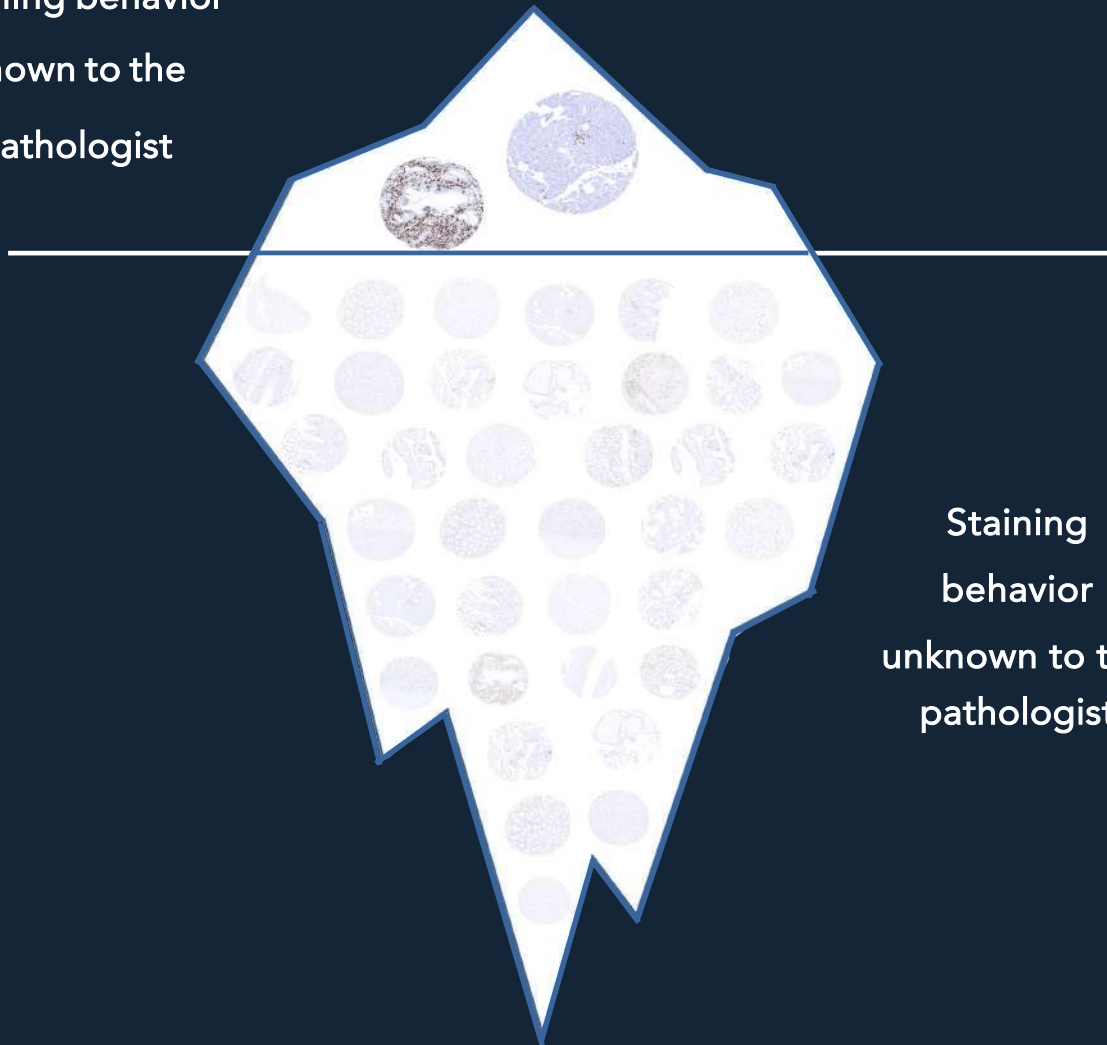
MS

Validated Antibodies

**With the current data on the market pathologists and researchers know only a little part of the behavior of an antibody. The rest is unknown.**

On the market there are more than 2 Million antibodies that are “supposed to work in IHC”. However, for more than 95% of these antibodies there is not enough data provided by the vendors to judge if the antibody works. That makes it almost impossible for pathologists and researchers to identify the optimal antibody for IHC.

Staining behavior  
known to the  
pathologist



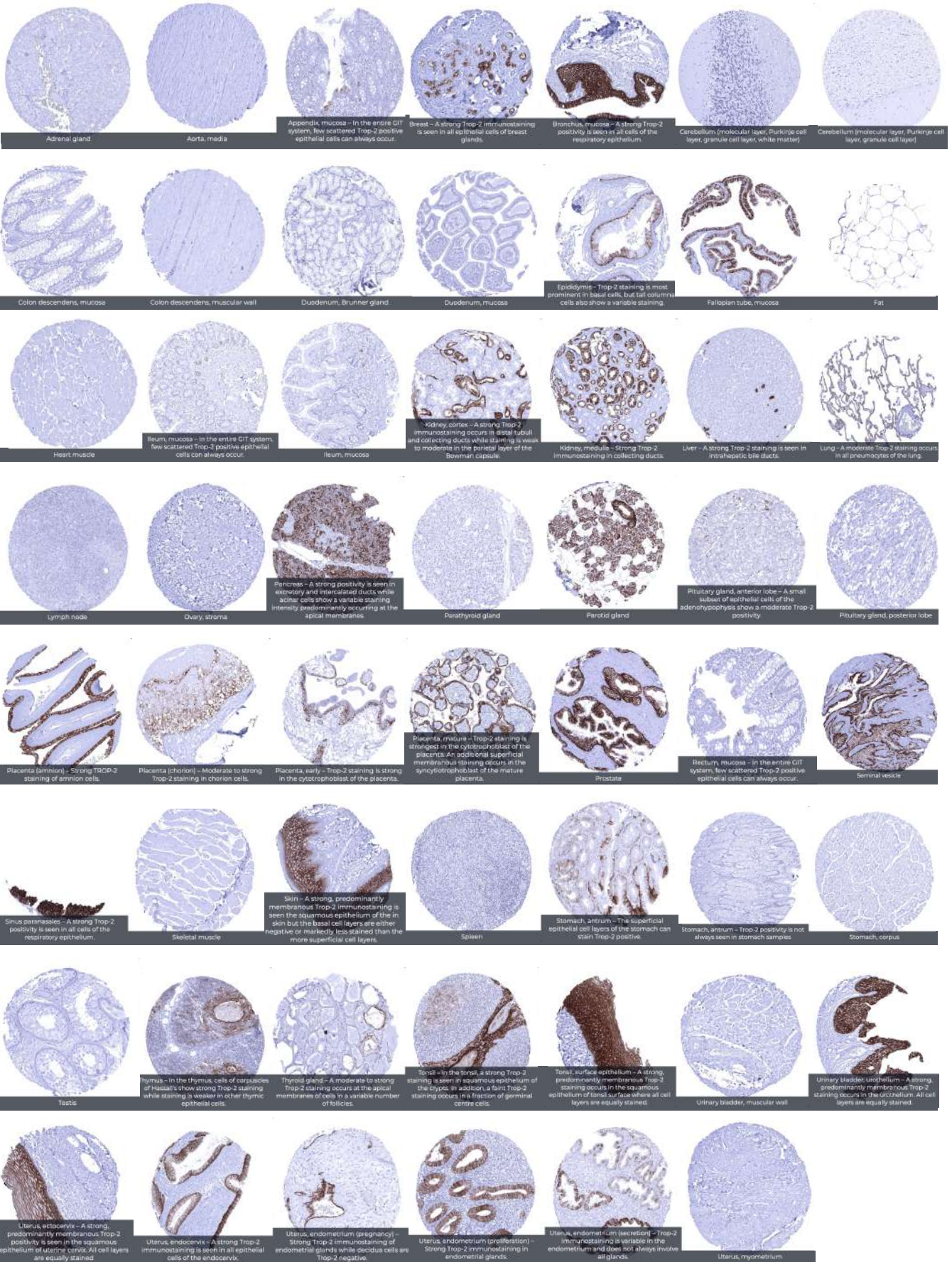
Staining  
behavior  
unknown to the  
pathologist

The goal of MS Validated Antibodies is to reveal close to 100% of the staining characteristics of an antibody so pathologists and researchers know exactly what stainings are to be expected.

# Trop-2 / TACSTD2

MSVA-733R

Gallery of normal tissue and cancer tissue with more than 50 images on our website for each antibody



# Hands-on Validation Approach

Antibodies intended for use on formalin-fixed tissue must be specifically validated on formalin-fixed tissue. According to the International Working Group for Antibody Validation (IWGAV), there are only two ways to document the specificity of antibodies for immunohistochemistry on this type of tissue. These are:

## 1. Orthogonal strategy

This means the comparison with a second independent method for measuring expression across a large number of different tissue types.

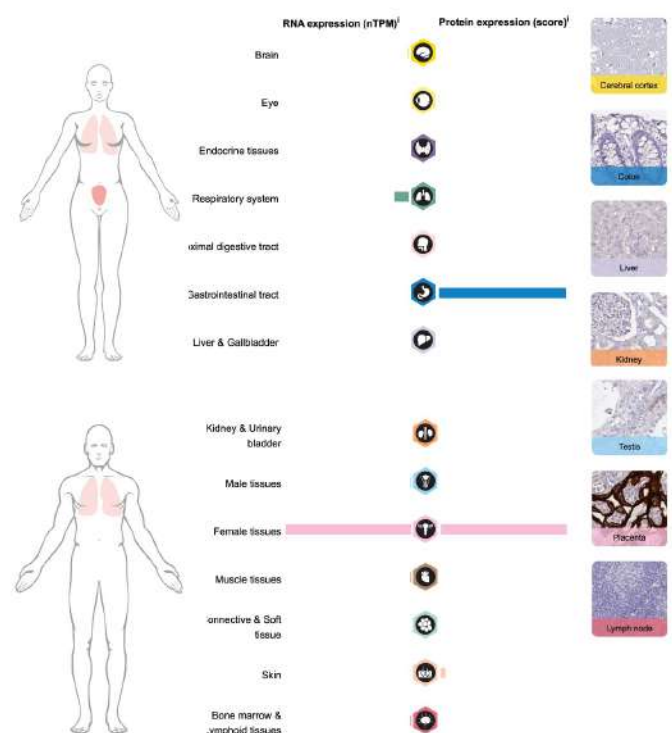
## 2. Independent antibody strategy

This means a comparison with one or more independent antibodies for the same target protein. Specific staining is achieved with both antibodies, while staining found with just one antibody must be considered non-specific or cross-reactive.

To ensure the best possible validation and to avoid the problem of non-specific antibodies, MS Validated Antibodies combines both approaches. The resulting abundance of information on the antibodies is available on our website.

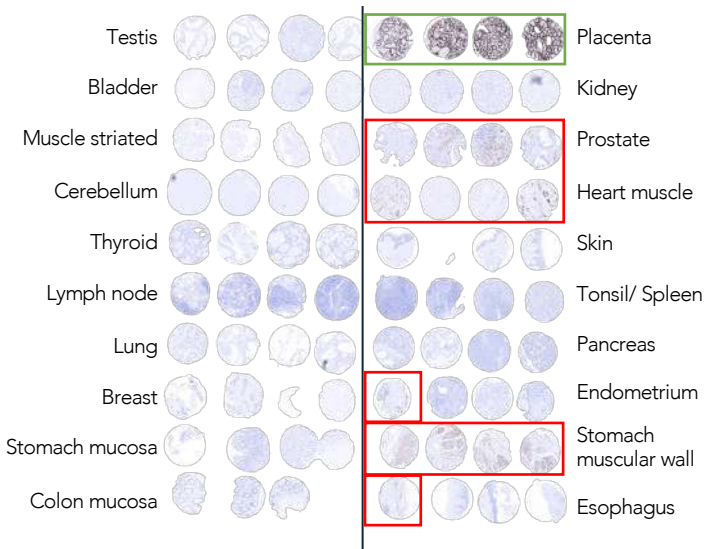
### 1) Look up RNA data

First, we look up the RNA data from the *Human Protein Atlas*. It shows in which tissues staining is to be expected. For example, a PLAP antibody is expected to stain almost exclusively in the female genital tract (placenta). We only look at the RNA data because it is objectively measurable while the protein expression measurement can be falsified by the suboptimal selection of an antibody.



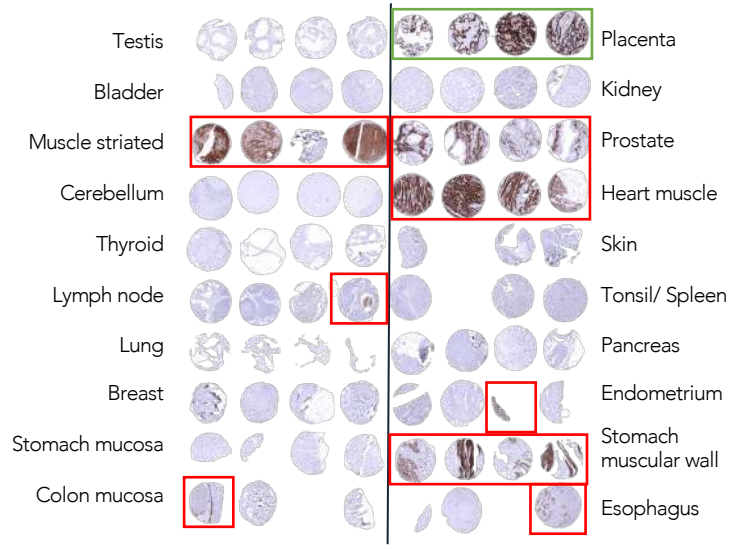
## 2) Comparison of Antibodies

In the second step, we compare our MSVA product candidates with (at least) one other independent and established clone on the market to confirm the placenta staining as specific. In the images below, additional stainings outside of the placenta are both "antibody-specific" and represent cross-reactivities. We test product candidates until we find a suitable candidate. If not, we will not approve the antibody.



**MSVA Product Candidate #1**

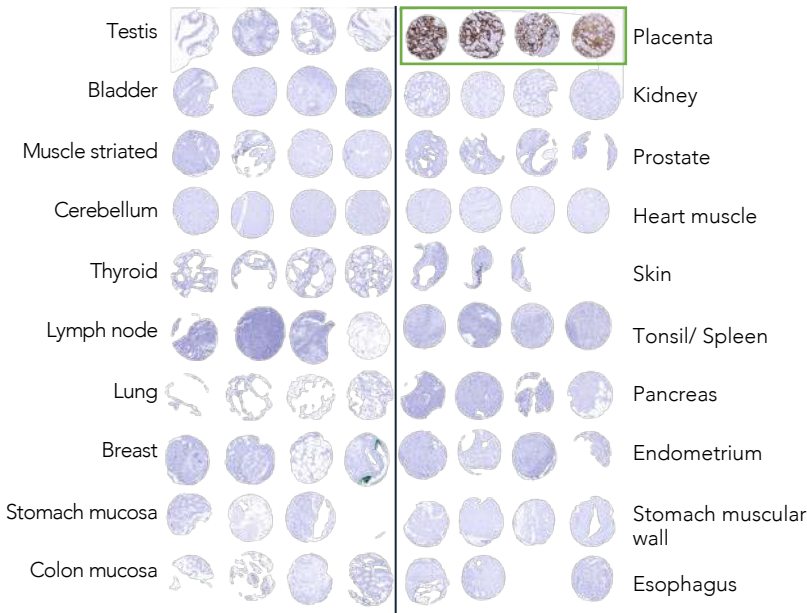
Not Approved – cross-reactive



**Established IVD Product**

Established antibody on the market shows also cross-reactivity

## Final PLAP clone MSVA-350R



**Approved!**

no cross-reactivity

**Our PLAP clone MSVA-350R**

only stains placenta on a

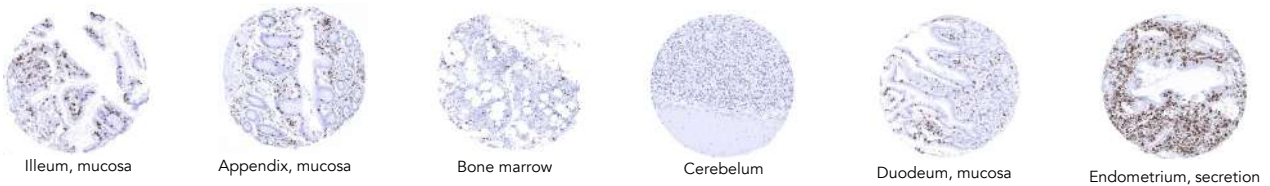
**TMA test.**

# MSVA Website

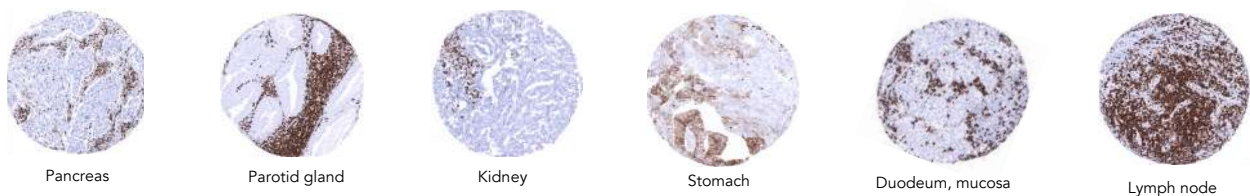
## a useful guide for our antibody users

MS Validated Antibodies is dedicated to provide users with unique product documentation that allows them to better understand their antibodies, which is key to a successful use of an antibody in IHC. We provide up to 100 images of each antibody in a normal tissue gallery and cancer tissue gallery.

### Images of normal tissue gallery of CD7 MSVA-007R



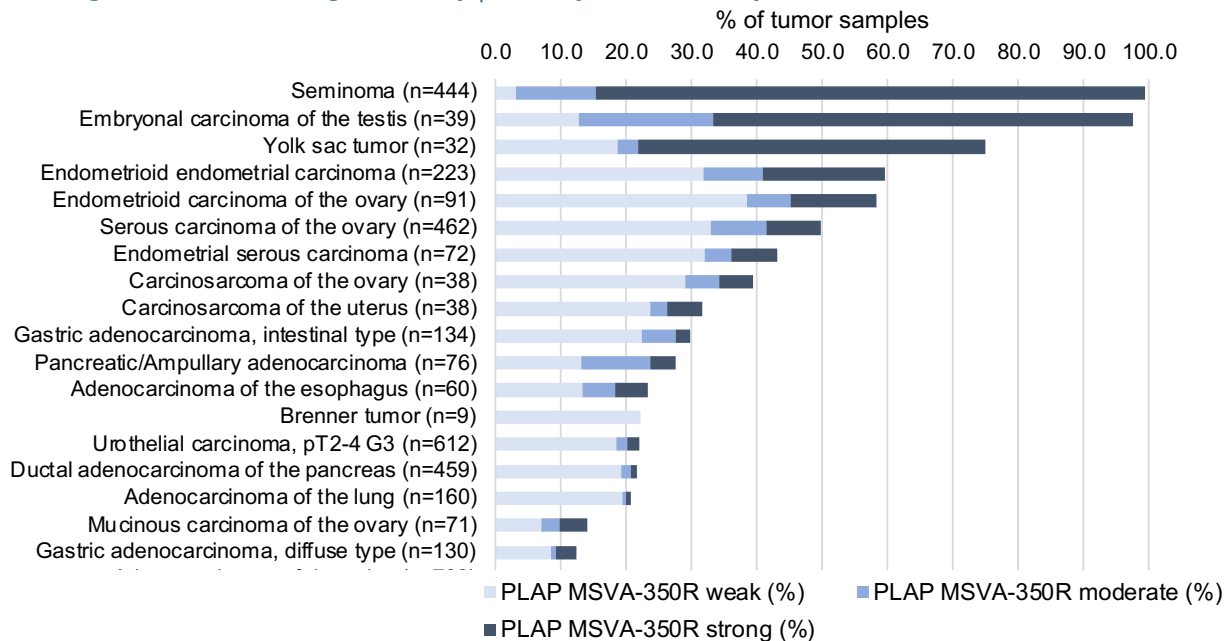
### Images of cancer tissue gallery of CD7 MSVA-007R



We provide our own validation data as well as links to other relevant sources such as the Human Protein Atlas, the TCGA database or published studies. Most of the information is underlined with images, graphics and tables. Here is an example of a summary of a study using our PLAP antibody.

Data from the publication: [“Pattern of placental alkaline phosphatase \(PLAP\) expression in human tumors: a tissue microarray study on 12,381 tumors”](#). Published by Reiswich et al. in the Journal of Pathology: Clinical Research, August 7th, 2021. Summarized in own graphics:

### PLAP staining in tumors “ranking order” by positivity with antibody MSVA-350R.



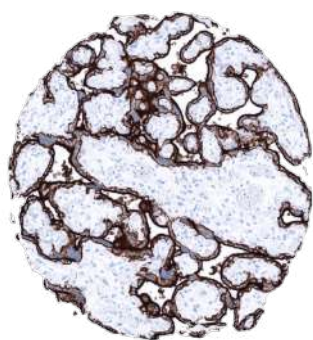


# Protocol Recommendations

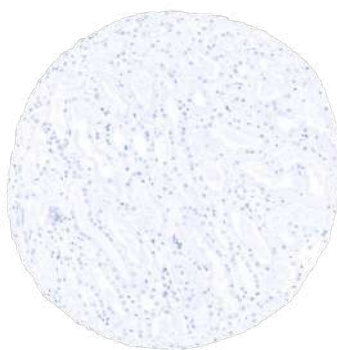
We offer protocol recommendations for manual protocols and Autostainers from Dako, Leica and Ventana.

## Agilent / Dako – Autostainer Link 48

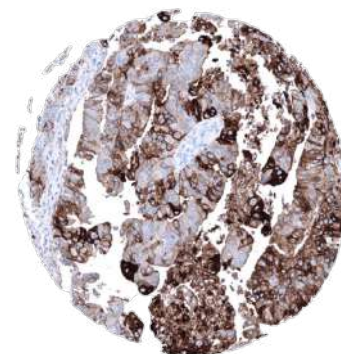
Pretreatment in PT-Link for 30 minutes at 95°C (pH high); FLEX peroxidase blocking for 5 minutes (room temperature), MSVA-350R 1:150 for 20 minutes (room temperature), FLEX+ mouse/rabbit (LINKER) for 15 minutes (room temperature), horseradish peroxidase (HRP) for 20 minutes (room temperature), FLEX DAB+Sub-Chromo for 10 minutes (room temperature), FLEX hematoxylin for 5 minutes (room temperature).



Dako – Placenta



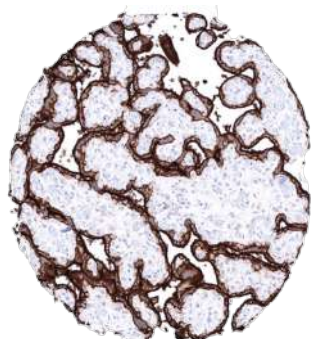
Dako – Kidney



Dako – Esophagus Adenocarcinoma

## Leica – BOND RX

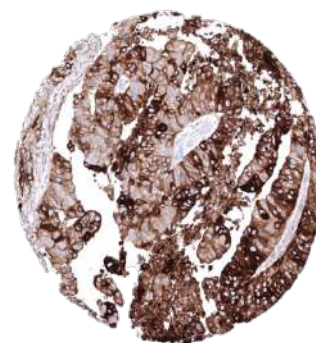
Dewax at 72°C for 30 seconds; Pretreatment in Bond Epitope Retrieval Solution (ER2 – EDTA pH9) for 20 minutes at 100°C; Peroxidase blocking for 5 minutes (room temperature), MSVA-350R 1:150 for 15 minutes (room temperature), Post primary (rabbit anti mouse) for 8 minutes (room temperature), Polymer (goat anti rabbit) for 8 minutes (room temperature), mixed DAB refine for 10 minutes (room temperature), hematoxylin for 5 minutes (room temperature).



Leica – Placenta



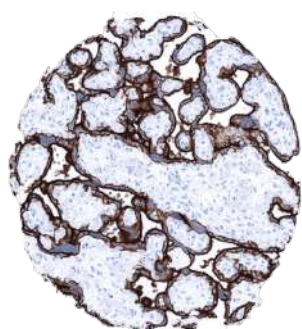
Leica – Kidney



Leica – Esophagus Adenocarcinoma

## Roche – Ventana Discovery ULTRA

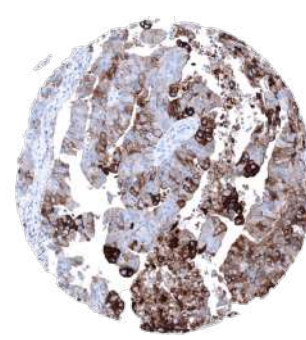
Pretreatment for 64 minutes at 100°C (pH 8,4); CM peroxidase blocking for 12 minutes (room temperature), MSVA-350R 1:150 for 20 minutes at 36°C, secondary antibody (anti-rabbit HQ) for 12 minutes at 36°C, anti-HQ HRP for 12 minutes at room temperature, DAB at room temperature, hematoxylin II at room temperature for 8 minutes, bluing reagent at room temperature for 4 minutes.



Ventana – Placenta



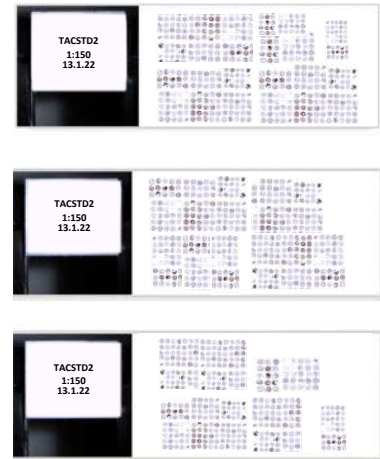
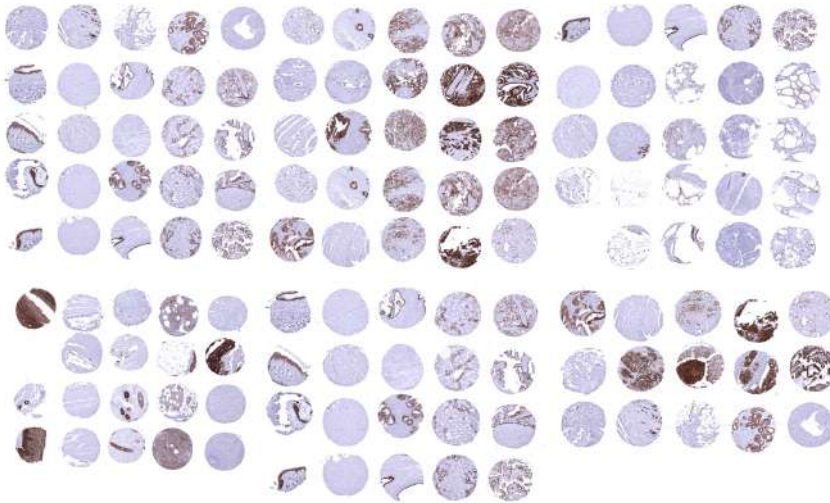
Ventana – Kidney



Ventana – Esophagus Adenocarcinoma

# MSVA Large-Scale Studies

It is often not known to researchers and pathologists where certain antibodies should stain and literature data on certain proteins show inconsistent results. In order to get a true picture of the staining behavior of an antibody MSVA supports IHC large-scale studies on thousands of different tumor samples.



Arginase-1 clone MSVA-511R  
**14,912 samples**

CELA3B clone MSVA-410M  
**13,223 samples**

Cytokeratin 5 MSVA-605M &  
Cytokeratin 6 MSVA-606R  
**15,000 samples**

CTLA-4 clone MSVA-152R  
**4,582 samples**

DOG1 clone MSVA-201M  
**15,000 samples**

INSM1 clone MSVA-456R  
**14,908 samples**

MUC6 clone MSVA-806R  
**1,5412 samples**

PD-L1 clone MSVA-711R  
**14,000 samples**

PSAP antibody clone MSVA-452M  
**31,358 samples**

TACSTD2 / Trop-2 clone MSVA-733  
**18,563 samples**

Uroplakin 1B clone MSVA-734M  
**14,061 samples**

CDH16 clone MSVA-516R  
**1,115 samples**

CPA1 clone MSVA-601M  
**12,274 samples**

Cytokeratin 7 clone MSVA-607R &  
Cytokeratin 20 clone MSVA-620R  
**15,424 samples**

Desmoglein 3 clone MSVA-543M  
**15,869 samples**

GATA3 clone MSVA-450M  
**16,557 samples**

Mesothelin clone MSVA-235M  
**12,679 samples**

p16 clone MSVA-016R  
**15,783 samples**

PLAP clone MSVA-350R  
**12,381 samples**

Progesterone Receptor clone MSVA-570R  
**16,445 samples**

Uroplakin 1A MSVA-735M  
**6,929 samples**

Uroplakin 1B clone MSVA-734M  
**14,061 samples**

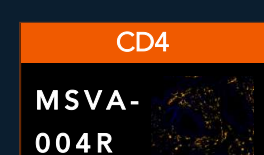
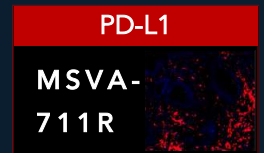
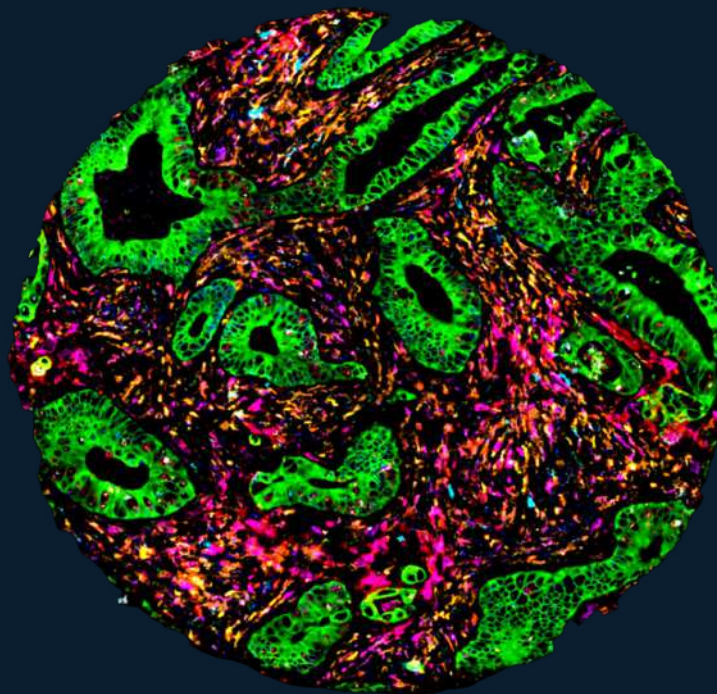
# Multiplex Fluorescence Immunohistochemistry

## The future of immunohistochemistry

Multiplex fluorescence immunohistochemistry (mFIHC) allows multiple antibodies to be applied to a tissue slide. Currently available devices allow the simultaneous analysis of 4 (Versa 8, Leica), 6 (Vectra Polaris, AKOYA) up to more than 50 antibodies (CODEX, AKOYA). Sophisticated analysis frameworks use artificial intelligence to identify specific cell types defined by a combination of positive and negative antibody staining and the spatial relationship between those cell types.

Due to the high number of different "colors" on each stained slide and the impaired differentiation of morphological cell types in fluorescence imaging, visual quality control of individual antibodies becomes impossible. Non-specific or cross-reactive antibody staining of one or more antibodies used in a multicolor panel can seriously distort the data and conclusions from the experiments.

Hence the quality of the composite of antibodies used  
in a mFIHC panel is crucial.



Also available BSA  
& azide free

# Antibody Index

## A

ACE2  
AIF1  
Androgen Receptor  
Arginase-1

## B

BRG1 / SMARCA4

## C

Calbindin 1  
Caldesmon  
Calponin  
CD1a  
CD3  
CD4  
CD5  
CD7  
CD8  
CD20  
CD22  
CD23  
CD27  
CD31  
CD34  
CD38  
CD44  
CD45  
CD45RA  
CD56  
CD 141  
CD163  
CD171  
CDH16 / Cadherin-16  
CDH17 / Cadherin-17  
CEA / CEACAM5  
CELA3B  
Chromogranin A  
Collagen IV  
CPA1 / Carboxypeptidase A1  
C-Peptide  
CTLA-4 /CD152  
Cyclin E1  
Cystatin A  
Cytokeratin 5  
Cytokeratin 6  
Cytokeratin 7  
Cytokeratin 10  
Cytokeratin 13  
Cytokeratin 14

Cytokeratin 15  
Cytokeratin 17  
Cytokeratin 18  
Cytokeratin 19  
Cytokeratin 20  
Cytokeratin Pan

## D

Decorin  
Desmin  
Desmoglein 1  
Desmoglein 3  
DOG-1

## E

EBV (Epstein-Barr-Virus)  
E-Cadherin  
Elastin  
EpCam / CD326  
Estrogen Receptor

## F

FABP1  
Factor 13 alpha

## G

GAD2 / GAD65  
GATA3  
Glutamine Synthetase  
GLUT1  
GP2

## H

Helicobacter Pylori  
Hepatocyte Specific  
HER2 / CD340  
Histone H3  
HLA-DRa  
HLA-DRb

## I

IgA / Immunglobulin A  
IgD / Immunglobulin D  
Inhibin alpha  
INSM1  
Insulin

## K

Ki-67  
KLK7

## M

Mammaglobin  
MBP / Myelin Basic Protein  
MCM2  
MCM3

MCM7
Melan A CR (cross reactive)
Melan A specific
Mesothelin
MPO/ Myeloperoxidase
MSH2
MSH6
MTAP
MUC1
MUC5AC
MUC6
Myosin Heavy Chain 11
Myosin Heavy Chain 7 / MYH7
<b>N</b>
Napsin A
NSE gamma
Nucleolin
<b>O</b>
Occludin
<b>P</b>
p16
p53
p63
PAPP-A
PAX6
PAX8
PD-L1
Periostin
PGP9.5
PLAP
PMEL17 / gp100
Progesterone Receptor
Prostein
PSA / Prostate Specific Antigen
PSAP / ACP3 / ACP
PTH / Parathyroid Hormone
<b>S</b>
S100
S100A12
S100P
SATB2
Somatostatin
SOX9
STAR
STING1
Synaptophysin
<b>T</b>
TACSTD2 / Trop2

TdT
TFE3 / Transcription factor E3
TFF-1 / pS2
Thyroglobulin
TIGIT
TIM3
TLE1
TOP2A / TOPO2A
TRIM29
TRPS1
TTF-1 / Thyroid Transcription Factor 1 / NKX2-1
<b>U</b>
Uroplakin 1A
Uroplakin 1B
Uroplakin 3B
<b>V</b>
Villin
Vimentin
vWf
<b>X</b>
XRCC5/Ku-p80
<b>Z</b>
ZAP-70

## General information

All antibodies are also available BSA and azide free.

Delivery time concentrate: 1-3 business days

Delivery time BSA free: 3-5 weeks


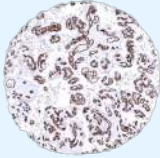

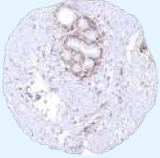

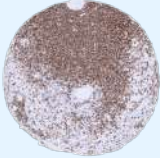

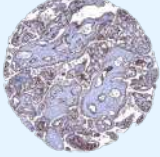

An overview of our distributors is located on the last page

	Antibody	Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>ACE2</b>								
<b>Clone</b>	<b>MSVA-919R</b>	conc.	RUO	100-200	0,1ml	3319-919R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3319-919R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3319-919R-1	995,00€	
<b>AIF1</b>								
<b>Clone</b>	<b>MSVA-955M</b>	conc.	RUO	100-200	0,1ml	4444-955M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4444-955M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4444-955M-1	895,00€	
<b>Androgen Receptor</b>								
<b>Clone</b>	<b>MSVA-367R</b>	conc.	RUO	100-200	0,1ml	2145-367R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2145-367R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2145-367R-1	995,00€	
<b>Arginase-1</b>								
<b>Clone</b>	<b>MSVA-511R</b>	conc.	RUO	100-200	0,1ml	3320-511R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3320-511R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3320-511R-1	995,00€	
<b>BRG1 / SMARCA4</b>								
<b>Clone</b>	<b>MSVA-397R</b>	conc.	RUO	100-200	0,1ml	5678-397R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5678-397R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5678-397R-1	995,00€	
<b>Calbindin 1</b>								
<b>Clone</b>	<b>MSVA-471M</b>	conc.	RUO	50-100	0,1ml	3969-471M-01	145,00€	
Host	Mouse	conc.	RUO	50-100	0,5ml	3969-471M-05	375,00€	
Isotype	IgG	conc.	RUO	50-100	1ml	3969-471M-1	595,00€	
<b>Caldesmon</b>								
<b>Clone</b>	<b>MSVA-538R</b>	conc.	RUO	100-200	0,1ml	3859-538R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3859-538R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3859-538R-1	995,00€	
<b>Calponin</b>								
<b>Clone</b>	<b>MSVA-455R</b>	conc.	RUO	100-200	0,1ml	2446-455R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2446-455R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2446-455R-1	895,00€	
<b>CD1a</b>								
<b>Clone</b>	<b>MSVA-001M</b>	conc.	RUO	100-200	0,1ml	2682-001M-01	295,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2862-001M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2862-001M-1	995,00€	

\*Price not including VAT

	Antibody	Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>CD3</b>								
<b>Clone</b>	<b>MSVA-003R</b>	conc.	RUO	100-200	0,1ml	2465-003R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2465-003R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2465-003R-1	995,00€	
<b>CD4</b>								
<b>Clone</b>	<b>MSVA-004R</b>	conc.	RUO	100-200	0,1ml	2278-004R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2278-004R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2278-004R-1	995,00€	
<b>CD5</b>								
<b>Clone</b>	<b>MSVA-005R</b>	conc.	RUO	100-200	0,1ml	3323-005R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3323-005R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3323-005R-1	995,00€	
<b>CD7</b>								
<b>Clone</b>	<b>MSVA-007R</b>	conc.	RUO	100-200	0,1ml	2471-007R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2471-007R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2471-007R-1	995,00€	
<b>CD8</b>								
<b>Clone</b>	<b>MSVA-008R</b>	conc.	RUO	100-200	0,1ml	2474-008R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2474-008R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2474-008R-1	995,00€	
<b>CD20</b>								
<b>Clone</b>	<b>MSVA-020R</b>	conc.	RUO	100-200	0,1ml	2483-020R-01	145,00 €	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2483-020R-05	445,00 €	
Isotype	IgG	conc.	RUO	100-200	1ml	2483-020R-1	695,00 €	
<b>CD22</b>								
<b>Clone</b>	<b>MSVA-022R</b>	conc.	RUO	100-200	0,1ml	2492-022R-01	295,00 €	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2492-022R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2492-022R-1	895,00€	
<b>CD23</b>								
<b>Clone</b>	<b>MSVA-023M</b>	conc.	RUO	100-200	0,1ml	4594-023M-01	295,00 €	
Host	Mouse	conc.	RUO	100-200	0,5ml	4594-023M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4594-023M-1	995,00€	
<b>CD27</b>								
<b>Clone</b>	<b>MSVA-027M</b>	conc.	RUO	100-200	0,1ml	2503-027M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2503-027M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2503-027M-1	995,00€	

\*Price not including VAT

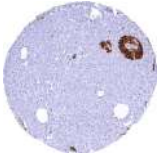


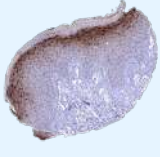


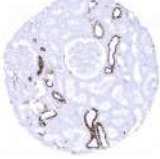
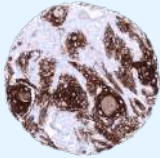

	Antibody	Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>CD31</b>								
Clone	<b>MSVA-031M</b>	conc.	RUO	100-200	0,1ml	2517-031M-01	145,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2517-031M-05	375,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2517-031M-1	595,00€	
<b>CD34</b>								
Clone	<b>MSVA-034R</b>	conc.	RUO	100-200	0,1ml	2431-034R -01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2431-034R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2431-034R-1	895,00€	
<b>CD38</b>								
Clone	<b>MSVA-038R</b>	conc.	RUO	100-200	0,1ml	2662-038R -01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2662-038R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2662-038R-1	995,00€	
<b>CD44</b>								
Clone	<b>MSVA-044R</b>	conc.	RUO	100-200	0,1ml	2675-044R -01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2675-044R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2675-044R-1	995,00€	
<b>CD45</b>								
Clone	<b>MSVA-045R</b>	conc.	RUO	100-200	0,1ml	3333-045R -01	145,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3333-045R-05	375,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3333-045R-1	595,00€	
<b>CD45RA</b>								
Clone	<b>MSVA-472M</b>	conc.	RUO	100-200	0,1ml	2193-472M-01	145,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2193-472M-05	375,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2193-472M-1	595,00€	
<b>CD56</b>								
Clone	<b>MSVA-056R</b>	conc.	RUO	100-200	0,1ml	6173-056R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	6173-056R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	6173-056R-1	995,00€	
<b>CD141</b>								
Clone	<b>MSVA-141M</b>	conc.	RUO	100-200	0,1ml	4706-141M-01	295,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	4706-141M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4706-141M-1	995,00€	
<b>CD163</b>								
Clone	<b>MSVA-163M</b>	conc.	RUO	100-200	0,1ml	2335-163M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2335-163M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2335-163M-1	995,00€	

\*Price not including VAT




Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>CD171</b>								
<b>Clone</b>	<b>MSVA-MSVA-171R</b>	conc.	RUO	100-200	0,1ml	6263-171R-01		
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	6263-171R-05		
Isotype	IgG	conc.	RUO	100-200	1ml	6263-171R-1		
<b>CDH16 / Cadherin-16</b>								
<b>Clone</b>	<b>MSVA-516R</b>	conc.	RUO	100-200	0,1ml	4036-516R-01	395,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4036-516R-05	795,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4036-516R-1	1.495,00€	
<b>CDH17 / Cadherin-17</b>								
<b>Clone</b>	<b>MSVA-517M</b>	conc.	RUO	100-200	0,1ml	3687-517M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3687-517M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3687-517M--1	895,00€	
<b>CEA / CEACAM5</b>								
<b>Clone</b>	<b>MSVA-465R</b>	conc.	RUO	100-200	0,1ml	2563-465R -01	145,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2563-465R-05	375,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2563-465R-1	595,00€	
<b>CELA3B</b>								
<b>Clone</b>	<b>MSVA-410M</b>	conc.	RUO	100-200	0,1ml	3682-410M-01	295,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	3682-410M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3682-410M-1	995,00€	
<b>Chromogranin A</b>								
<b>Clone</b>	<b>MSVA-380R</b>	conc.	RUO	100-200	0,1ml	2175-380R -01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2175-380R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2175-380R-1	995,00€	
<b>Collagen IV</b>								
<b>Clone</b>	<b>MSVA-704R</b>	conc.	RUO	100-200	0,1ml	3365-704R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3365-704R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3365-704R-1	895,00€	
<b>CPA1 / Carboxypeptidase A1</b>								
<b>Clone</b>	<b>MSVA-601M</b>	conc.	RUO	100-200	0,1ml	3354-601M-01	395,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3354-601M-05	795,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3354-601M-1	1.495,00€	
<b>CPA1 / Carboxypeptidase A1</b>								
<b>Clone</b>	<b>MSVA-357R</b>	conc.	RUO	100-200	0,1ml	6778-357R-01	395,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	6778-357R-05	795,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	6778-357R-1	1.495,00€	

\*Price not including VAT

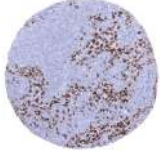
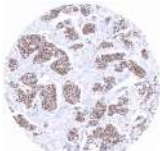


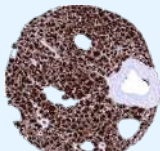


Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>C-Peptide</b>								
<b>Clone</b>	<b>HMV-363</b>	conc.	RUO	100-200	0,1ml	6402-363-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	6402-363-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	6402-363-1	995,00€	
<b>CTLA-4 / CD152</b>								
<b>Clone</b>	<b>MSVA-152R</b>	conc.	RUO	50-100	0,1ml	3451-152R-01	445,00€	
Host	Recombinant Rabbit	conc.	RUO	50-100	0,5ml	3451-152R-05	1.675,00€	
Isotype	IgG	conc.	RUO	50-100	1ml	3451-152R-1	2.995,00€	
<b>Cyclin E1</b>								
<b>Clone</b>	<b>MSVA-898R</b>	conc.	RUO	50-100	0,1ml	3566-898R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	50-100	0,5ml	3566-898R-05	595,00€	
Isotype	IgG	conc.	RUO	50-100	1ml	3566-898R-1	995,00€	
<b>Cystatin A</b>								
<b>Clone</b>	<b>MSVA-461M</b>	conc.	RUO	100-200	0,1ml	3938-461M-01	195,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3938-461M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3938-461M-1	695,00€	
<b>Cytokeratin 5</b>								
<b>Clone</b>	<b>MSVA-605M</b>	conc.	RUO	100-200	0,1ml	2608-605M-01	195,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2608-605M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2608-605M-1	695,00€	
<b>Cytokeratin 6</b>								
<b>Clone</b>	<b>MSVA-606R</b>	conc.	RUO	100-200	0,1ml	2616-606R-01	195,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2616-606R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2616-606R-1	695,00€	
<b>Cytokeratin 7</b>								
<b>Clone</b>	<b>MSVA-607R</b>	conc.	RUO	100-200	0,1ml	2230-607R-01	195,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2230-607R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2230-607R-1	695,00€	
<b>Cytokeratin 10</b>								
<b>Clone</b>	<b>MSVA-610M</b>	conc.	RUO	100-200	0,1ml	2593-610M-01	195,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2593-610M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2593-610M-1	695,00€	
<b>Cytokeratin 13</b>								
<b>Clone</b>	<b>MSVA-613M</b>	conc.	RUO	100-200	0,1ml	2373-613M-01	195,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2373-613M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2373-613M-1	695,00€	

\*Price not including VAT


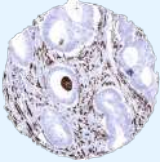
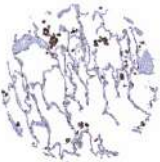
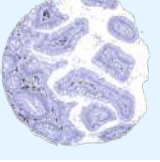

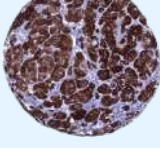
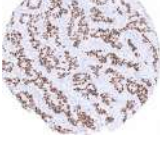
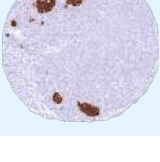

Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>Cytokeratin 14</b>								
Clone	<b>MSVA-614R</b>	conc.	RUO	100-200	0,1ml	2256-614R-01	195,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2256-614R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2256-614R-1	695,00€	
<b>Cytokeratin 15</b>								
Clone	<b>MSVA-615M</b>	conc.	RUO	50-100	0,1ml	2748-615M-01	195,00€	
Host	Mouse	conc.	RUO	50-100	0,5ml	2748-615M-05	445,00€	
Isotype	IgG	conc.	RUO	50-100	1ml	2748-615M-1	695,00€	
<b>Cytokeratin 17</b>								
Clone	<b>MSVA-117R</b>	conc.	RUO	100-200	0,1ml	5974-117R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5974-117R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5974-117R-1	995,00€	
<b>Cytokeratin 18</b>								
Clone	<b>MSVA-118R</b>	conc.	RUO	100-200	0,1ml	2205-118R-01	145,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2205-118R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2205-118R-1	695,00€	
<b>Cytokeratin 19</b>								
Clone	<b>MSVA-119M</b>	conc.	RUO	100-200	0,1ml	2273-119M-01	145,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2273-119M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2273-119M-1	695,00€	
<b>Cytokeratin 20</b>								
Clone	<b>MSVA-620R</b>	conc.	RUO	100-200	0,1ml	2238-620R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2238-620R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2238-620R-1	995,00€	
<b>Cytokeratin Pan</b>								
Clone	<b>MSVA-000R</b>	conc.	RUO	100-200	0,1ml	2105-000R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2105-000R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2105-000R-1	895,00€	
<b>Decorin</b>								
Clone	<b>MSVA-537R</b>	conc.	RUO	100-200	0,1ml	408-537R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	408-537R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	408-537R-1	995,00€	
<b>Desmin</b>								
Clone	<b>MSVA-651M</b>	conc.	RUO	100-200	0,1ml	2732-651M-01	195,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2732-651M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2732-651M-1	695,00€	
							*Price not including VAT	

Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>Desmoglein 1</b>								
<b>Clone</b>	<b>MSVA-544M</b>	conc.	RUO	75-100	0,1ml	4420-544M-01	295,00€	
Host	Mouse	conc.	RUO	75-100	0,5ml	4420-544M-05	545,00€	
Isotype	IgG	conc.	RUO	75-100	1ml	4420-544M-1	895,00€	
<b>Desmoglein 3</b>								
<b>Clone</b>	<b>MSVA-543M</b>	conc.	RUO	75-100	0,1ml	355-543M-01	295,00€	
Host	Mouse	conc.	RUO	75-100	0,5ml	355-543M-05	545,00€	
Isotype	IgG	conc.	RUO	75-100	1ml	355-543M-1	895,00€	
<b>DOG-1</b>								
<b>Clone</b>	<b>MSVA-201M</b>	conc.	RUO	100-200	0,1ml	2170-201M-01	345,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2170-201M-05	675,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2170-201M-1	1.195,00€	
<b>EBV (Epstein-Barr-Virus)</b>								
<b>Clone</b>	<b>MSVA-539M</b>	conc.	RUO	100-200	0,1ml	5407-539R-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	5407-539R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5407-539R-1	995,00€	
<b>E-cadherin</b>								
<b>Clone</b>	<b>MSVA-035R</b>	conc.	RUO	100-200	0,1ml	2140-035R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2140-035R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2140-035R-1	995,00€	
<b>Elastin</b>								
<b>Clone</b>	<b>MSVA-648R</b>	conc.	RUO	100-200	0,1ml	4448-648R-01	145,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4448-648R-05	375,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4448-648R-1	595,00€	
<b>EpCAM / CD326</b>								
<b>Clone</b>	<b>MSVA-326R</b>	conc.	RUO	100-200	0,1ml	2315-326R-01	195,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2315-326R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2315-326R-1	695,00€	
<b>Estrogen Receptor</b>								
<b>Clone</b>	<b>MSVA-564R</b>	conc.	RUO	100-200	0,1ml	4670-564R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4670-564R-05	695,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4670-564R-1	1.245,00€	
<b>FABP1</b>								
<b>Clone</b>	<b>MSVA-501M</b>	conc.	RUO	100-200	0,1ml	3737-501M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3737-501M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3737-501M-1	995,00€	

\*Price not including VAT

Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>Factor 13 alpha</b>								
<b>Clone</b>	<b>MSVA-813R</b>	conc.	RUO	100-200	0,1ml	3924-813R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3924-813R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3924-813R-1	995,00€	
<b>GAD2 / GAD65</b>								
<b>Clone</b>	<b>MSVA-602M</b>	conc.	RUO	100-200	0,1ml	4975-602M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4975-602M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4975-602M-1	995,00€	
<b>GATA3</b>								
<b>Clone</b>	<b>MSVA-450M</b>	conc.	RUO	50-100	0,1ml	2980-450M-01	395,00€	
Host	Mouse	conc.	RUO	50-100	0,5ml	2980-450M-05	895,00€	
Isotype	IgG	conc.	RUO	50-100	1ml	2980-450M-1	1.495,00€	
<b>GLUT1</b>								
<b>Clone</b>	<b>MSVA-401R</b>	conc.	RUO	100-200	0,1ml	4457-401R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4457-401R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4457-401R-1	995,00€	
<b>Glutamine Synthetase</b>								
<b>Clone</b>	<b>MSVA-750M</b>	conc.	RUO	100-200	0,1ml	4565-750M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4565-750M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4565-750M-1	895,00€	
<b>GP2</b>								
<b>Clone</b>	<b>MSVA-475M</b>	conc.	RUO	100-200	0,1ml	3409-475M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3409-475M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3409-475M-1	995,00€	
<b>Helicobacter Pylori</b>								
<b>Clone</b>	<b>MSVA-466M</b>	conc.	RUO	100-200	0,1ml	5099-466M-01	345,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	5099-466M-05	695,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5099-466M-1	1.095,00€	
<b>Hepatocyte Specific</b>								
<b>Clone</b>	<b>MSVA-OCE5</b>	conc.	RUO	100-200	0,1ml	5091-OCE5-01	145,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	5091-OCE5-05	375,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5091-OCE5-1	595,00€	
<b>HER2 / CD340</b>								
<b>Clone</b>	<b>MSVA-340R</b>	conc.	RUO	25-50	0,1ml	3325-340R-01	345,00€	
Host	Recombinant Rabbit	conc.	RUO	25-50	0,5ml	3325-340R-05	695,00€	
Isotype	IgG	conc.	RUO	25-50	1ml	3325-340R-1	1.195,00€	

\*Price not including VAT

Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>Histone H3</b>								
<b>Clone</b>	<b>MSVA-903M</b>	conc.	RUO	100-200	0,1ml	3122-903M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3122-903M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3122-903M-1	995,00€	
<b>HLA-DRa</b>								
<b>Clone</b>	<b>MSVA-470R</b>	conc.	RUO	100-200	0,1ml	3328-470R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3328-470R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3328-470R-1	995,00€	
<b>HLA-DRB1</b>								
<b>Clone</b>	<b>MSVA-478R</b>	conc.	RUO	100-200	0,1ml	4232-478R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4232-478R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4232-478R-1	995,00€	
<b>IgA / Immunglobulin A</b>								
<b>Clone</b>	<b>MSVA-700R</b>	conc.	RUO	100-200	0,1ml	3489-700R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3489-700R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3489-700R-1	995,00€	
<b>IgD / Immunglobulin D</b>								
<b>Clone</b>	<b>MSVA-701R</b>	conc.	RUO	100-200	0,1ml	3485-701R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3485-701R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3485-701R-1	995,00€	
<b>Inhibin alpha</b>								
<b>Clone</b>	<b>MSVA-561R</b>	conc.	RUO	75-150	0,1ml	2879-561R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	75-150	0,5ml	2879-561R-05	545,00€	
Isotype	IgG	conc.	RUO	75-150	1ml	2879-561R-1	895,00€	
<b>INSM1</b>								
<b>Clone</b>	<b>MSVA-456R</b>	conc.	RUO	100-200	0,1ml	3218-456R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3218-456R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3218-456R-1	995,00€	
<b>Insulin</b>								
<b>Clone</b>	<b>HMV-308</b>	conc.	RUO	100-200	0,1ml	6515-308-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	6515-308-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	6515-308-1	995,00€	
<b>Ki-67</b>								
<b>Clone</b>	<b>MSVA-267M</b>	conc.	RUO	100-200	0,1ml	2082-267M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2082-267M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2082-267M-1	995,00€	


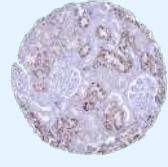
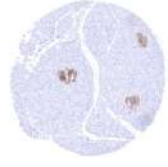
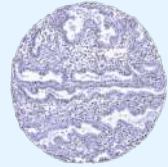
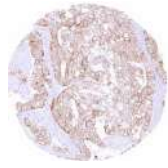
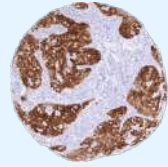

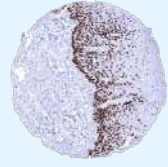

\*Price not including VAT

Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>KLK7</b>								
Clone	<b>MSVA-707M</b>	conc.	RUO	100-200	0,1ml	4860-707M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4860-707M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4860-707M-1	995,00€	
<b>Mammaglobin</b>								
Clone	<b>MSVA-457R</b>	conc.	RUO	100-200	0,1ml	2668-457R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2668-457R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2668-457R-1	895,00€	
<b>MBP / Myelin Basic Protein</b>								
Clone	<b>MSVA-390R</b>	conc.	RUO	100-200	0,1ml	3398-390R-01	195,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3398-390R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3398-390R-1	695,00€	
<b>MCM2</b>								
Clone	<b>MSVA-502R</b>	conc.	RUO	100-200	0,1ml	5880-502R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5880-502R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5880-502R-1	995,00€	
<b>MCM3</b>								
Clone	<b>MSVA-503</b>	conc.	RUO	100-200	0,1ml	3257-503M-01	195,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3257-503M-05	495,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3257-503M-1	745,00€	
<b>MCM7</b>								
Clone	<b>MSVA-507R</b>	conc.	RUO	100-200	0,1ml	3675-507R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3675-507R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3675-507R-1	895,00€	
<b>Melan A CR (Cross Reactive)</b>								
Clone	<b>MSVA-901M+</b>	conc.	RUO	100-200	0,1ml	2359-901M-01	195,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2359-901M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2359-901M-1	695,00€	
<b>Melan A Specific</b>								
Clone	<b>MSVA-900M</b>	conc.	RUO	100-200	0,1ml	2352-900M-01	195,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2352-900M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2352-900M-1	695,00€	
<b>Mesothelin</b>								
Clone	<b>MSVA-235M</b>	conc.	RUO	100-200	0,1ml	2198-235M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2198-235M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2198-235M-1	895,00€	

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Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>Mesothelin</b>								
<b>Clone</b>	<b>MSVA-421R</b>	conc.	RUO	100-200	0,1ml	5980-421R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5980-421R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5980-421R-1	995,00€	
<b>MPO/ Myeloperoxidase</b>								
<b>Clone</b>	<b>MSVA-692M</b>	conc.	RUO	100-200	0,1ml	4517-692M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4517-692M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4517-692M-1	895,00€	
<b>MSH2</b>								
<b>Clone</b>	<b>MSVA-902M</b>	conc.	RUO	100-200	0,1ml	2697-902M-01	295,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2697-902M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2697-902M-1	995,00€	
<b>MSH6</b>								
<b>Clone</b>	<b>MSVA-906R</b>	conc.	RUO	75-150	0,1ml	2889-906R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	75-150	0,5ml	2889-906R-05	595,00€	
Isotype	IgG	conc.	RUO	75-150	1ml	2889-906R-1	995,00€	
<b>MTAP</b>								
<b>Clone</b>	<b>MSVA-741R</b>	conc.	RUO	50-100	0,1ml	5293-741R-01	395,00€	
Host	Recombinant Rabbit	conc.	RUO	50-100	0,5ml	5293-741R-05	795,00€	
Isotype	IgG	conc.	RUO	50-100	1ml	5293-741R-1	1.495,00€	
<b>MUC1</b>								
<b>Clone</b>	<b>MSVA-672R</b>	conc.	RUO	75-150	0,1ml	2551-672R-01	195,00€	
Host	Recombinant Rabbit	conc.	RUO	75-150	0,5ml	2551-672R-05	445,00€	
Isotype	IgG	conc.	RUO	75-150	1ml	2551-672R-1	695,00€	
<b>MUC5AC</b>								
<b>Clone</b>	<b>MSVA-109M</b>	conc.	RUO	100-200	0,1ml	2113-109M-01	195,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2113-109M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2113-109M-1	695,00€	
<b>MUC6</b>								
<b>Clone</b>	<b>MSVA-806R</b>	conc.	RUO	100-200	0,1ml	2709-806R-01	195,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2709-806R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2709-806R-1	695,00€	
<b>MYH7 / Myosin Heavy Chain 7</b>								
<b>Clone</b>	<b>MSVA-464M</b>	conc.	RUO	100-200	0,1ml	6288-464M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	6288-464M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	6288-464M-1	995,00€	
							*Price not including VAT	



	Antibody	Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>MYH 11 / Myosin Heavy Chain 11</b>								
Clone	<b>MSVA-375R</b>	conc.	RUO	100-200	0,1ml	2450-375R-01	195,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2450-375R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2450-375R-1	695,00€	
<b>Napsin A</b>								
Clone	<b>MSVA-555R</b>	conc.	RUO	100-200	0,1ml	2138-555R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2138-555R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2138-555R-1	895,00€	
<b>NSE gamma</b>								
Clone	<b>MSVA-451M</b>	conc.	RUO	100-200	0,1ml	2453-451M-01	195,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	2453-451M-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2453-451M-1	695,00€	
<b>Nucleolin</b>								
Clone	<b>MSVA-623R</b>	conc.	RUO	100-200	0,1ml	4108-623R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4108-623R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4108-623R-1	995,00€	
<b>Occludin</b>								
Clone	<b>MSVA-415M</b>	conc.	RUO	100-200	0,1ml	4373-415M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4373-415M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4373-415M-1	995,00€	
<b>p16</b>								
Clone	<b>MSVA-016R</b>	conc.	RUO	100-200	0,1ml	3626-016R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3626-016R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3626-016R-1	995,00€	
<b>p53</b>								
Clone	<b>MSVA-053R</b>	conc.	RUO	100-200	0,1ml	5358-053R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5358-053R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5358-053R-1	995,00€	
<b>p63</b>								
Clone	<b>MSVA-063R</b>	conc.	RUO	100-200	0,1ml	4235-063R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4235-063R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4235-063R-1	995,00€	
<b>PAPP-A</b>								
Clone	<b>MSVA-780</b>	conc.	RUO	100-200	0,1ml	3415-780M-01	395,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3415-780M-05	795,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3415-780M-1	1.495,00€	


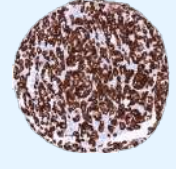
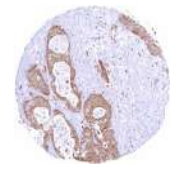
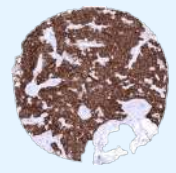
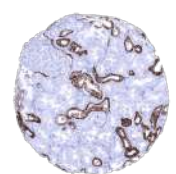

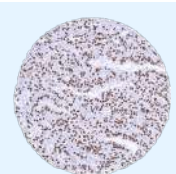
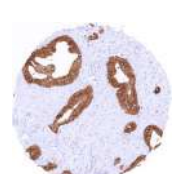
\*Price not including VAT

	Antibody	Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>PAX6</b>								
Clone	<b>MSVA-706M</b>	conc.	RUO	100-200	0,1ml	5703-706M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	5703-706M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5703-706M-1	995,00€	
<b>PAX8</b>								
Clone	<b>MSVA-708R</b>	conc.	RUO	100-200	0,1ml	3331-708R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3331-708R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3331-708R-1	995,00€	
<b>PD-L1</b>								
Clone	<b>MSVA-711R</b>	conc.	RUO	100-200	0,1ml	2083-711R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2083-711R-05	695,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2083-711R-1	1.145,00€	
<b>Periostin</b>								
Clone	<b>MSVA-649M</b>	conc.	RUO	100-200	0,1ml	4344-649M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4344-649M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4344-649M-1	995,00€	
<b>PGP9.5</b>								
Clone	<b>MSVA-905R</b>	conc.	RUO	100-200	0,1ml	3424-905R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3424-905R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3424-905R-1	995,00€	
<b>PLAP</b>								
Clone	<b>MSVA-187M</b>	conc.	RUO	100-200	0,1ml	2793-187M-01	295,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2793-187M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2793-187M-1	995,00€	
<b>PLAP</b>								
Clone	<b>MSVA-350R</b>	conc.	RUO	100-200	0,1ml	2794-350R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2794-350R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2794-350R-1	995,00€	
<b>PMEL17 / gp100</b>								
Clone	<b>MSVA-617R</b>	conc.	RUO	100-200	0,1ml	2347-617R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2347-617R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2347-617R-1	895,00€	
<b>Progesterone Receptor</b>								
Clone	<b>MSVA-570R</b>	conc.	RUO	50-100	0,1ml	3332-570R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	50-100	0,5ml	3332-570R-05	795,00€	
Isotype	IgG	conc.	RUO	50-100	1ml	3332-570R-1	1.245,00€	

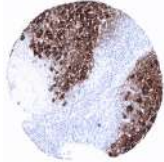

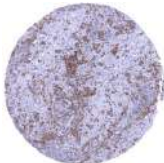
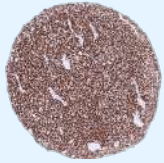

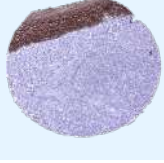

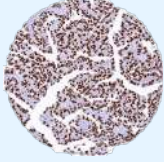

\*Price not including VAT

Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>Prostein</b>								
<b>Clone</b>	<b>MSVA-460R</b>	conc.	RUO	100-200	0,1ml	5241-460R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5241-460R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5241-460R-1	995,00€	
<b>PSA / Prostate Specific Antigen</b>								
<b>Clone</b>	<b>MSVA-603R</b>	conc.	RUO	100-200	0,1ml	5182-603R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5182-603R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5182-603R-1	995,00€	
<b>PSAP / ACP3 / ACP3</b>								
<b>Clone</b>	<b>MSVA-452M</b>	conc.	RUO	100-200	0,1ml	2521-452M-01	295,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	2521-452M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2521-452M-1	895,00€	
<b>PTH / Parathyroid Hormone</b>								
<b>Clone</b>	<b>MSVA-525R</b>	conc.	RUO	100-200	0,1ml	2652-525R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2652-525R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2652-525R-1	895,00€	
<b>S100</b>								
<b>Clone</b>	<b>MSVA-490R</b>	conc.	RUO	100-200	0,1ml	2634-490R-01	165,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2634-490R-05	445,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2634-490R-1	695,00€	
<b>S100A12</b>								
<b>Clone</b>	<b>MSVA-812M</b>	conc.	RUO	100-200	0,1ml	3780-812M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3780-812M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3780-812M-1	995,00€	
<b>S100P</b>								
<b>Clone</b>	<b>MSVA-480R</b>	conc.	RUO	100-200	0,1ml	2558-480R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2558-480R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2558-480R-1	995,00€	
<b>SATB2</b>								
<b>Clone</b>	<b>MSVA-702R</b>	conc.	RUO	100-200	0,1ml	2850-702R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2850-702R-05	645,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2850-702R-1	1.045,00€	
<b>Somatostatin</b>								
<b>Clone</b>	<b>MSVA-638R</b>	conc.	RUO	100-200	0,1ml	4669-638R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4669-638R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4669-638R-1	995,00€	

\*Price not including VAT

	Antibody	Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>SOX9</b>								
Clone	<b>MSVA-709R</b>	conc.	RUO	100-200	0,1ml	4272-709R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	4272-709R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4272-709R-1	995,00€	
<b>STAR</b>								
Clone	<b>MSVA-740R</b>	conc.	RUO	75-150	0,1ml	5396-740R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	75-150	0,5ml	5396-740R-05	545,00€	
Isotype	IgG	conc.	RUO	75-150	1ml	5396-740R-1	895,00€	
<b>STING1</b>								
Clone	<b>MSVA-515M</b>	conc.	RUO	100-200	0,1ml	5473-515M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	5473-515M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5473-515M-1	995,00€	
<b>Synaptophysin</b>								
Clone	<b>MSVA-462R</b>	conc.	RUO	100-200	0,1ml	2188-462R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2188-462R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2188-462R-1	895,00€	
<b>TACSTD2 / Trop2</b>								
Clone	<b>MSVA-733R</b>	conc.	RUO	100-200	0,1ml	3648-733R-01	395,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3648-733R-05	895,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3648-733R-1	1.495,00€	
<b>TACSTD2 / Trop2</b>								
Clone	<b>MSVA-758M</b>	conc.	RUO	100-200	0,1ml	3646-758M-01	395,00€	
Host	Recombinant Mouse	conc.	RUO	100-200	0,5ml	3646-758M-05	895,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3646-758M-1	1.495,00€	
<b>TdT</b>								
Clone	<b>MSVA-453R</b>	conc.	RUO	75-150	0,1ml	2904-453R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	75-150	0,5ml	2904-453R-05	545,00€	
Isotype	IgG	conc.	RUO	75-150	1ml	2904-453R-1	895,00€	
<b>TFE3 / Transcription factor E3</b>								
Clone	<b>MSVA-403R</b>	conc.	RUO	100-200	0,1ml	3486-403R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3486-403R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3486-403R-1	995,00€	
<b>TFF-1 / pS2</b>								
Clone	<b>MSVA-482M</b>	conc.	RUO	100-200	0,1ml	5784-482M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	5784-482M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5784-482M-1	995,00€	

\*Price not including VAT

Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
<b>Thyroglobulin</b>								
<b>Clone</b>	<b>MSVA-189R</b>	conc.	RUO	100-200	0,1ml	2119-189R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2119-189R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2119-189R-1	895,00€	
<b>TIGT</b>								
<b>Clone</b>	<b>HMV-873</b>	conc.	RUO	100-200	0,1ml	6797-873-01	395,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	6797-873-05	795,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	6797-873-1	1.495,00€	
<b>TIM3</b>								
<b>Clone</b>	<b>MSVA-366R</b>	conc.	RUO	100-200	0,1ml	3484-366R-01	445,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3484-366R-05	1.1675,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3484-366R-1	2.995,00€	
<b>TLE1</b>								
<b>Clone</b>	<b>MSVA-856R</b>	conc.	RUO	100-200	0,1ml	5881-856R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5881-856R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5881-856R-1	995,00€	
<b>TOP2A / TOPO2A</b>								
<b>Clone</b>	<b>MSVA-802R</b>	conc.	RUO	100-200	0,1ml	3172-802R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3172-802R-05	645,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3172-802R-1	1.095,00€	
<b>TRIM29</b>								
<b>Clone</b>	<b>MSVA-629M</b>	conc.	RUO	100-200	0,1ml	4452-629M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4452-629M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4452-629M-1	895,00€	
<b>TRPS1</b>								
<b>Clone</b>	<b>MSVA-512R</b>	conc.	RUO	100-200	0,1ml	5676-512R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5676-512R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5676-512R-1	995,00€	
<b>TTF-1 / Thyroid Transcription Factor 1</b>								
<b>Clone</b>	<b>MSVA-312R</b>	conc.	RUO	100-200	0,1ml	5805-312R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	5805-312R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5805-312R-1	995,00€	
<b>Uroplakin 1A</b>								
<b>Clone</b>	<b>MSVA-735M</b>	conc.	RUO	100-200	0,1ml	4386-735M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4386-735M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4386-735M-1	895,00€	

\*Price not including VAT

Antibody		Format	Status	Dilution	Volume	Catalog Number	Price*	
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### Uroplakin 1B

<b>Clone</b>	<b>MSVA-734M</b>	conc.	RUO	100-200	0,1ml	3797-734M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	3797-734M-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3797-734M-1	895,00€	

### Uroplakin 3B

<b>Clone</b>	<b>MSVA-736M</b>	conc.	RUO	100-200	0,1ml	4879-736M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	4879-736M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	4879-736M-1	995,00€	

### Villin

<b>Clone</b>	<b>MSVA-459R</b>	conc.	RUO	100-200	0,1ml	2576-459R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2576-459R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2576-459R-1	895,00€	

### Vimentin

<b>Clone</b>	<b>MSVA-458R</b>	conc.	RUO	100-200	0,1ml	2914-458R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	2914-458R-05	545,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	2914-458R-1	895,00€	

### vWF (von Willebrand Factor)

<b>Clone</b>	<b>MSVA-521R</b>	conc.	RUO	50-100	0,1ml	2760-521R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	50-100	0,5ml	2760-521R-05	545,00€	
Isotype	IgG	conc.	RUO	50-100	1ml	2760-521R-1	895,00€	

### XRCC5/Ku-p80

<b>Clone</b>	<b>MSVA-880M</b>	conc.	RUO	100-200	0,1ml	5160-880M-01	295,00€	
Host	Mouse	conc.	RUO	100-200	0,5ml	5160-880M-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	5160-880M-1	995,00€	

### ZAP-70

<b>Clone</b>	<b>MSVA-870R</b>	conc.	RUO	100-200	0,1ml	3513-870R-01	295,00€	
Host	Recombinant Rabbit	conc.	RUO	100-200	0,5ml	3513-870R-05	595,00€	
Isotype	IgG	conc.	RUO	100-200	1ml	3513-870R-1	995,00€	

\*Price not including VAT

### **General information**

All antibodies are also available BSA  
and azide free.

Delivery time concentrate: 1-3 business  
days

Delivery time BSA free: 3-5 weeks

An overview of our distributors is  
located on the next page

# MSVA-Distributors

Our Distributors in Europe, Asia and North America. We are constantly looking for new partners to expand our distribution around the globe.



&



UK & Ireland

ImmunoForce  
Netherlands

AH diagnostics

Denmark, Sweden, Finland,  
Norway, Iceland, Estonia,  
Latvia & Lithuania

BIOZOL  
FIT FOR SCIENCE

Germany, Austria  
& Switzerland

CliniSciences

France, Belgium,  
Luxembourg, Denmark,  
Sweden, Finland,  
Norway, Iceland



Spain & Portugal

Switzerland



Italy



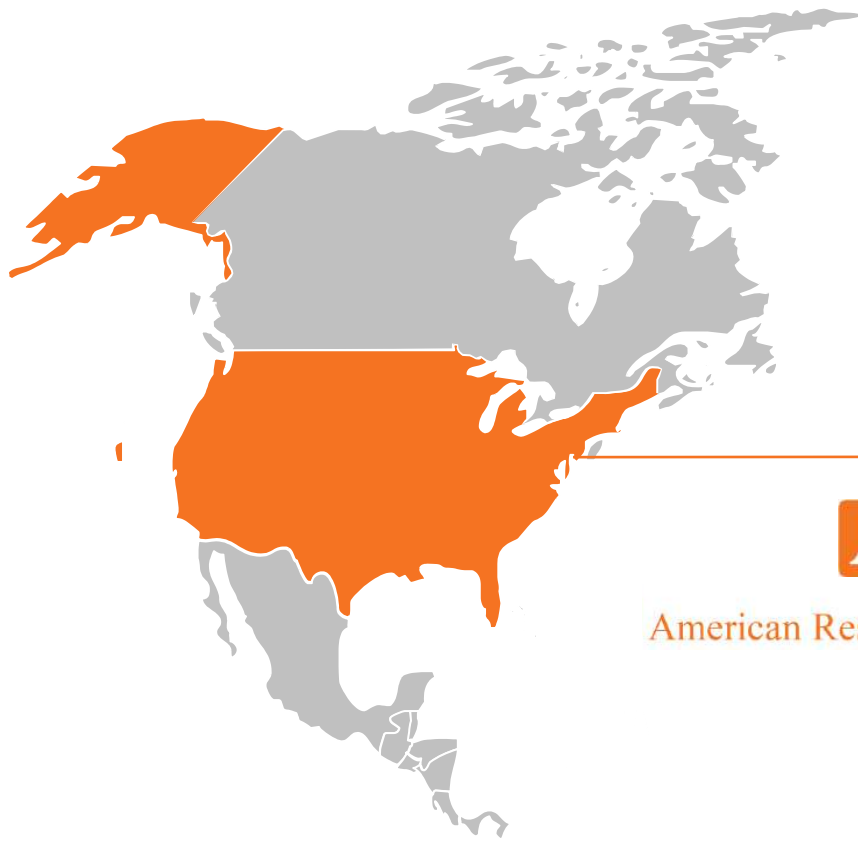
Poland

Israel





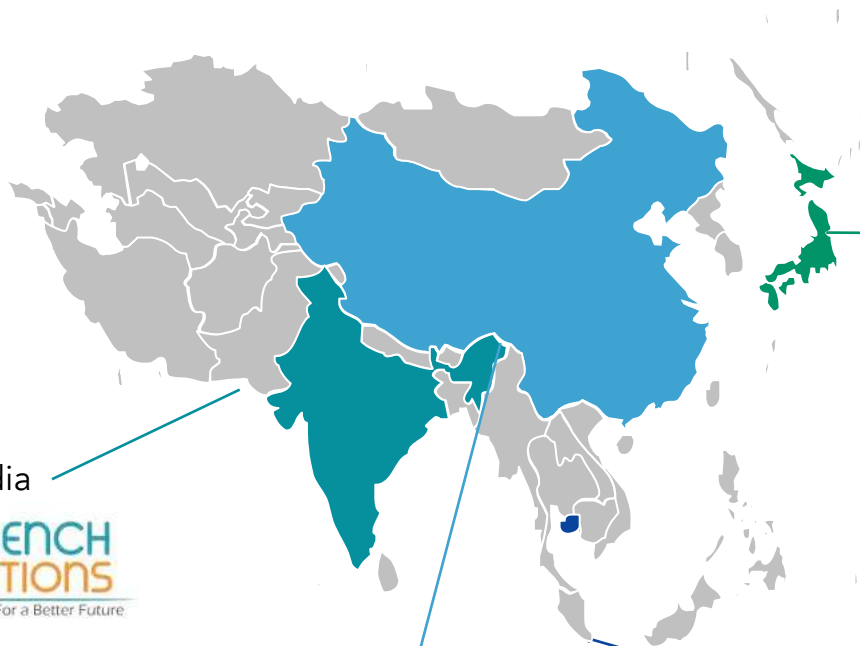
# around the world



USA



American Research Products, Inc.™



Japan



India



China



Singapore





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SCAN ME



MS

# Validated Antibodies

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