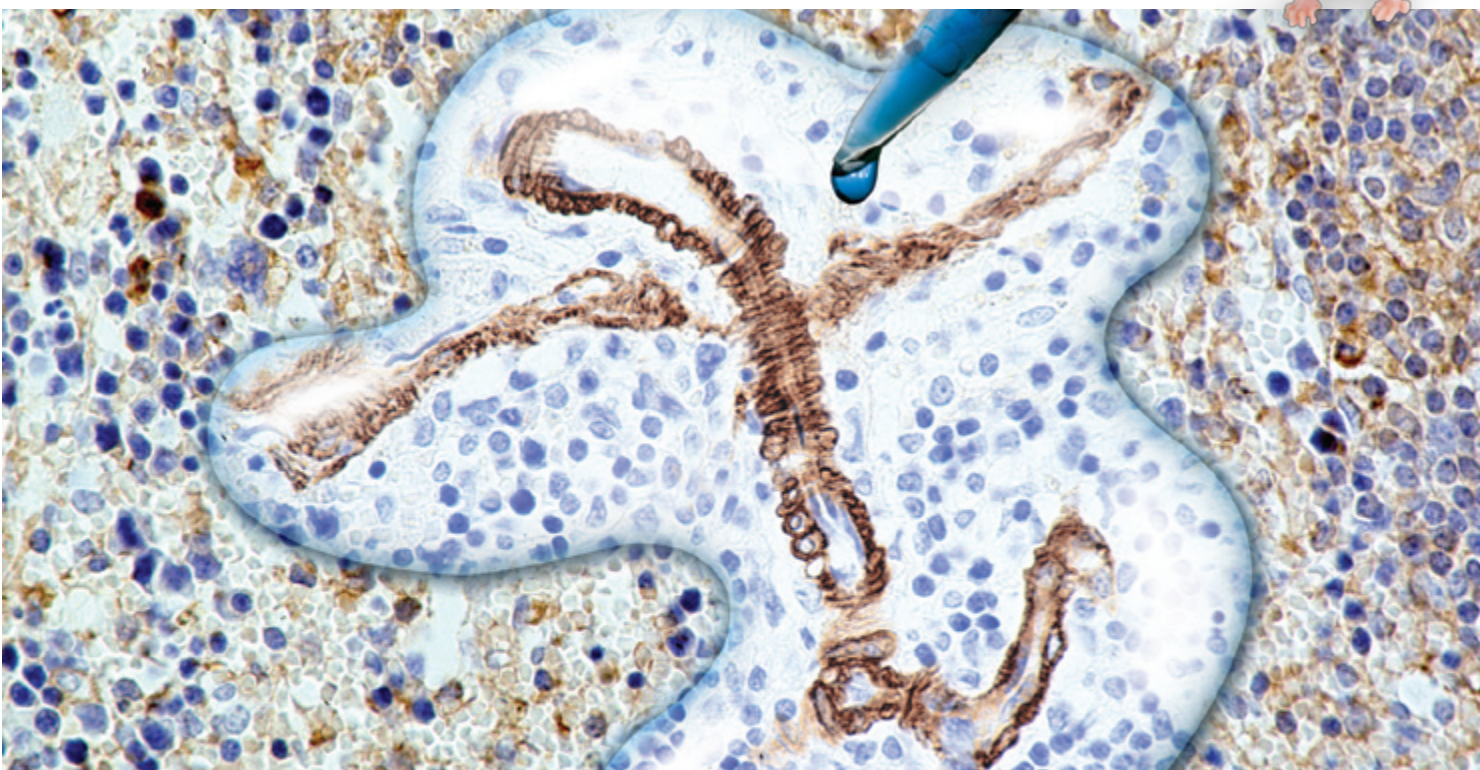




Noise Reduction for IHC



**Promark™, Your Solution for Immunohistochemistry
on Mouse, Rat and Other Animal Tissues**

What do customers say about Promark animal detection?

"I like Biocare's Mouse-on-Mouse Polymer kit the best among all the available animal detection kits on the market. It gives great signal and it is easy to use."

- **Research Lab, IL**

"Biocare's Rabbit-on-Rodent Polymer kit reduces 90% or completely eliminates background staining on rat or mouse brain tissues. This is extremely useful for xenograft tissues, where signal is weak and background is an issue."

- **Research Lab, MI**

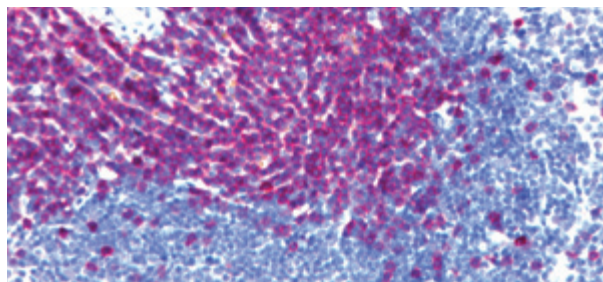
Easy, Clean & Sharp

Your Ultimate Solution for Immunohistochemistry on Mouse, Rat and Other Animal Tissues

Biocare's Promark micro-polymer detection, in combination with the innovative heat retrieval and blocking reagents, provides unparalleled staining quality. Specifically for use with primary antibodies of various sources on a range of tissues (mouse, rat, rabbit and goat).

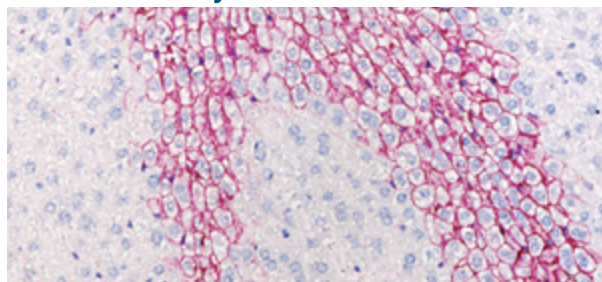
- ▶ Micro-polymer enables superior antigen access, giving unsurpassed specificity and sensitivity
- ▶ Specific species kits minimize endogenous IgG background staining
- ▶ Potent blocking and antigen retrieval reagents render tissue staining literally free of background

Rabbit-on-Rodent



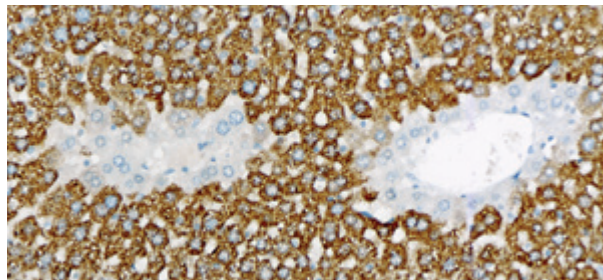
Rabbit-on-Rodent: Rabbit CD3 on Mouse Spleen.

Goat Micro-Polymer



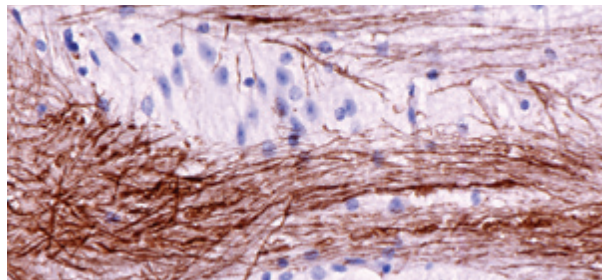
Goat Micro-polymer: Goat anti-E-cadherin on mouse liver.

Mouse-on-Mouse

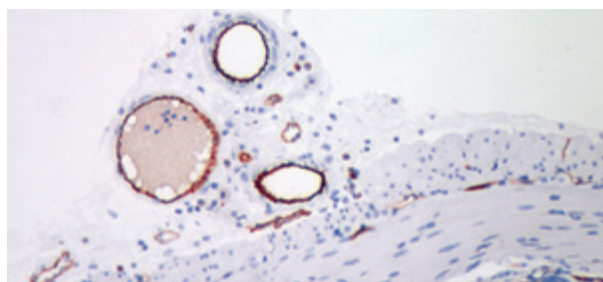


Mouse-on-Mouse: Mouse hepatocyte specific antigen on mouse liver.

Mouse-on-Rat



Mouse-on-Rat: Mouse neurofilament on rat brain.



Rat-on-Mouse

For CD31 & Other Rat Monoclonals

◀ Rat-on-Mouse: Mouse colon stained with CD31.

Note: Antigen retrieval reagent is Rodent Decloaker™. All Promark micro-polymer detection kits can be used with formalin-fixed paraffin embedded tissues, free floating sections, frozen sections and cell culture preparations.

Solve Background Problems

Through potent blocking & antigen retrieval

The Rodent Decloaker and blocking reagents are specially formulated to work with Promark detection systems to further enhance specificity on rodent tissues.

-
- ▶ **Reduce or completely eliminate endogenous IgG**
-
- ▶ **Minimize non-specific background staining**
-

Mouse Tissues

Blocker for endogenous mouse IgG (Rodent Block M)

To be used with mouse-on-mouse, rat-on-mouse, rabbit-on-rodent and goat micro-polymer detection systems.

A potent blocker for endogenous mouse IgG (XM Factor)

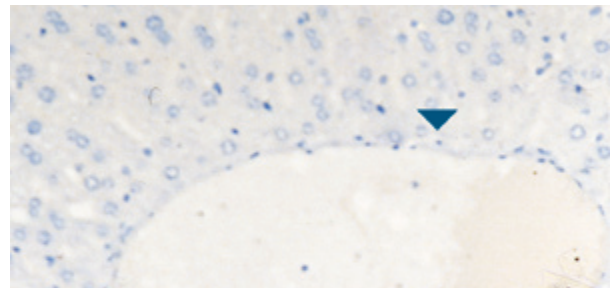
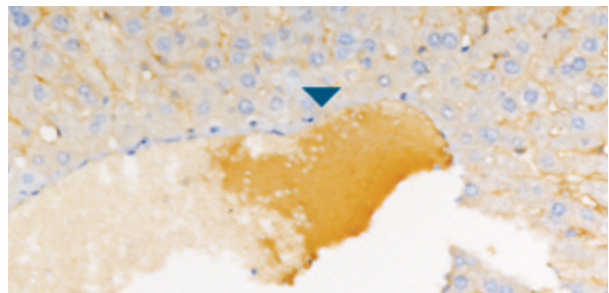
Combination with Rodent Block M allows primary goat, rabbit and mouse antibodies to be used on mouse tissues.

XM Factor is formulated for use with rat, rabbit or goat detection systems and should not be used in any mouse micro-polymer detection systems.

Reduced background with Rodent Block and XR Factor

Arrows show endogenous background due to IgG staining.

Mouse liver without Rodent Block and XR Factor.



Mouse liver with Rodent Block and XR Factor.

Rat Tissues

Blocker for endogenous rat IgG (Rodent Block R)

To be used with mouse-on-rat, rabbit-on-rodent and goat micro-polymer detection systems.

A Potent blocker for endogenous rat IgG (XR Factor)

Combination with Rodent Block R allows primary goat, rabbit and mouse antibodies to be used on rat tissues.

XR Factor is formulated to use with mouse, rabbit, or goat detection systems and should not be used with rat micro-polymer detection system.

HIER Solution for Rodent Tissues

Rodent Decloaker

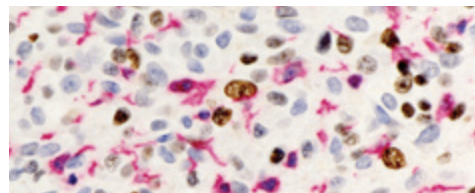
Rodent Decloaker reduces non-specific background staining and performs antigen retrieval. This reagent is specifically formulated to reduce background staining in animal tissues and is particularly effective on problematic brain tissues. With use of Rodent Decloaker antibody titers can be doubled or tripled when compared to citrate buffer.

Simplify Staining Procedures with Multiplexing

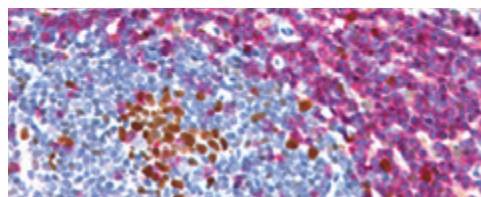
Biocare Medical is the leader in providing simultaneous multiplex detection platforms that enable staining with multiple antibodies on a single slide. Multiplex detection systems simplify procedures, reduce turnaround time and conserve precious tissues.

Rat & Mouse Double Stain Micro-polymer Detection Kit

Designed for multiplex stain procedures on rat and mouse tissues or human xenografts into rat or mouse tissue. A mixture of conjugated anti-mouse HRP and anti-rabbit AP micro-polymer has been developed for detection of cocktailed mouse and rabbit primary antibodies. This rapid four-step multiplex stain procedure can be accomplished in less than two hours and is specifically formulated to reduce background staining in brain and other problematic tissues.



Ki-67 + Microglia on human glioma xenograft in rat brain.



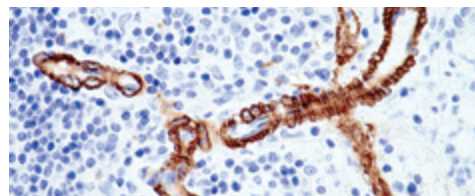
Mouse PCNA + Rabbit CD3 on mouse spleen.

Mouse-on-Mouse Avidin-Biotin Biotinylation Double Stain Kit

This four step, mouse-on-mouse multiplex detection kit incorporates avidin into the protein-blocking reagent and biotin into the antibody diluent. Endogenous mouse IgG background staining is virtually eliminated, even for problematic tissues such as lymph, spleen, lung and kidney. Staining time is reduced from 4-6 hours to almost 2 hours by elimination of procedural steps such as: avidin biotin blocking, elution and multiple detection sequences.

Mouse-on-Mouse Biotinylation Kit

This kit is an alternative detection for reducing background for mouse monoclonal antibodies on mouse tissues. This product is an essential component of the mouse-on-mouse Biotinylation Double Stain kit and is also available separately for single stain. (MM Biotinylation Kit, Cat. No. MMBK G, H)



Mouse Smooth Muscle Actin with B- and T-cells.

Promark Micro-Polymer Detection	Primary AB Species	Tissue Species	Label	Cat. No.
Mouse-on-Mouse	Mouse	Mouse	HRP or AP	MM510 or MM512
Mouse-on-Rat	Mouse	Rat	HRP or AP	MRT511 or MRT515
Rat-on-Mouse for CD31 & other rat monoclonals	Rat	Mouse	HRP	RT517 or RT517SK
Rat-on-Mouse	Rat	Mouse	AP	RT518
Rabbit-on-Rodent	Rabbit	Rat	HRP or AP	RMR622 or RMR625
Goat	Goat	All tissue species except Caprine	HRP or AP	GHP516 or GAP514
Blocking & Retrieval Reagents for Rodent Tissues		Description	Cat. No.	Volume
Rodent Block M		Mouse IgG blocker	RBM961 G, H, L	6, 25, 100 ml
XM Factor		Potent blocker for mouse IgG	XMF963 C, G	1, 6 ml
Rodent Block R		Rat IgG blocker	RBR962 G, H, L	6, 25, 100 ml
XR Factor		Potent blocker for rat IgG	XRF964 C, G	1, 6 ml
Rodent Decloaker		HIER solution for rodent tissues	RD913 L, M	100, 500 ml
Multiplex Detection Kits for Animal Tissue			Cat. No.	Volume
Rat and Mouse Double Stain Polymer Detection Kit			RDS513 G, H, L	6, 25, 100 ml
Mouse-on-Mouse Biotinylation Double Stain Kit			MM519 G, H	6, 25 ml

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MEDICAL

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