

Rodent Block M

Blocking Reagent
902-RBM961-050118

BIOCARE
M E D I C A L

Catalog Number: RBM961 G, H, L, MM

Description: 6.0, 25, 100 ml, 1L

Intended Use:

For Research Use Only. Not for use in diagnostic procedures.

Summary & Explanation:

Rodent Block M is an immunohistochemical reagent designed for blocking endogenous mouse IgG and non-specific background in mouse tissues and red blood cells. Rodent Block M can be used with Mouse-on-Mouse, Rabbit-on-Rodent and Rat-on-Mouse detection systems. After the application of Rodent Block M, the desired primary antibody can be applied. It can also be used on an automated staining system.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

Blue buffer with proprietary blocking reagent and preservative

Materials and Reagents Needed But Not Provided:

Microscope slides, positively charged
Desert Chamber* (Drying oven)
Positive and negative tissue controls
Xylene (Could be replaced with a xylene substitute*)
Ethanol or reagent alcohol
Decloaking Chamber* (Pressure cooker)
Deionized or distilled water
Wash buffer*
Pretreatment reagents*
Enzyme digestion*
Avidin-Biotin Blocking Kit* (Labeled streptavidin kits only)
Peroxidase block*
Primary antibody*
Negative control reagents*
Detection kits*
Detection components*
Chromogens*
Hematoxylin*
Bluing reagent*
Mounting media*

* Refer to the Biocare Medical website located at <http://biocare.net> for information regarding catalog numbers and ordering information.

Storage and Stability:

Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

Staining Protocol Recommendations:

For immunohistochemistry, Rodent Block M is applied prior to primary antibody as follows:

1. If using a horseradish peroxidase (HRP) system, block with Biocare's Peroxidized 1 for 3-5 minutes.
2. Wash in 2 changes of TBS wash buffer.
3. If antigen retrieval is required, retrieve with Biocare's Rodent Decloaker.
4. Apply Rodent Block M on tissues or cells for 15-30 minutes. Wash in 2 changes of TBS wash buffer.

Staining Protocol Recommendations Cont'd:

5. Apply primary antibody. For optimum staining, incubate primary antibody for 30 minutes to 2 hours at room temperature, or overnight at 2-8°C. Wash in 2 changes of TBS wash buffer.
6. Continue staining protocol with desired detection.

Technical Notes:

Rodent Block M may have certain limitations. Tissues such as spleen or other tissues with high amounts of endogenous mouse IgG may be difficult to block completely. Biocare's Rodent Block M used in conjunction with Biocare's XM Factor will dramatically reduce or completely eliminate endogenous mouse IgG.

Limitations:

This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.

Precautions:

1. This product is not classified as hazardous. The preservative used in this reagent is Proclin 950 and the concentration is less than 0.25%. Overexposure to Proclin 950 can cause skin and eye irritation and irritation to mucous membranes and upper respiratory tract. The concentration of Proclin 950 in this product does not meet the OSHA criteria for a hazardous substance. Wear disposable gloves when handling reagents.
2. Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.
3. Microbial contamination of reagents may result in an increase in nonspecific staining.
4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
5. Do not use reagent after the expiration date printed on the vial.
6. The SDS is available upon request and is located at <http://biocare.net>.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances. Proclin™ is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates.

Technical Support:

Contact Biocare's Technical Support at 1-800-542-2002 for questions regarding this product.



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