

# Negative Control Mouse IgG1

## Negative Control

Control Number: 901-NC490-082914

**Catalog Number:** NC490 AA, H

**Description:** 6.0, 25 ml, prediluted

**Intended Use:**

For In Vitro Diagnostic Use

**Summary and Explanation:**

The Negative Control Mouse IgG1 is intended for use as a negative control with mouse antibodies that are of the IgG1 kappa. The MOPC-21 tumor line that produces mouse IgG1/kappa is a mineral oil-based plasmacytoma carried in BALB/c mice. The IgG1 preparation has been purified from mouse ascites fluid. The Negative Control Mouse IgG1 has been titered for Biocare's monoclonal antibodies of the IgG1 antibody class. It can also be used on an automated staining system such as the IntelliPATH™.

**Principle of Procedure:**

Negative Control Mouse IgG1 is used in place of a primary mouse antibody with a section of each patient specimen to evaluate nonspecific staining. This allows for better interpretation of specific staining at the antigen site. This control is easy to achieve and can be used routinely in immunohistochemical staining.

**Source:** Purified Mouse Immunoglobulin

**Isotype:** IgG<sub>1</sub>/kappa

**Total IgG Concentration:** ~1 µg/ml

**Known Applications:**

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:** Purified mouse IgG<sub>1</sub>/kappa in buffer with 0.1% BSA and preservative

**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.

**Protocol Recommendations:**

**Peroxide Block:** Block for 5 minutes with Biocare's Peroxidized 1.

**Protein Block (Optional):** Incubate for 5-10 minutes at room temperature (RT) with Biocare's Background Punisher.

**Pretreatment Protocol:** Please refer to the respective primary antibody datasheet for recommended pretreatment solution and protocol.

**Negative Control:** Use Negative Control Mouse IgG1 in place of the primary antibody with a section of each patient specimen.

**Link:** Incubate for 10 minutes at RT with a link.

**Label:** Incubate for 10 minutes at RT with a label.

**Chromogen:** Incubate for 5 minutes at RT when using Biocare's DAB. - OR - Incubate for 5-7 minutes at RT when using Biocare's Warp Red.

**Technical Note:**

This reagent has been standardized with Biocare's 4plus detection system.

**Performance Characteristics:**

The optimum antibody dilution and protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Biocare products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

**Quality Control:**

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2). CLSI Wayne, PA, USA (www.clsi.org). 2011

**Precautions:**

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. 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. Microbial contamination of reagents may result in an increase in nonspecific staining. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change. The MSDS is available upon request and is located at <http://biocare.net/support/msds/>.

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.

**Troubleshooting:**

Follow the antibody specific protocol recommendations according to data sheet provided. If atypical results occur, contact Biocare's Technical Support at 1-800-542-2002.

**Limitations and Warranty:**

There are no warranties, expressed or implied, which extend beyond this description. Biocare is not liable for property damage, personal injury, or economic loss caused by this product.