

Polymer Negative Control Serum (Mouse & Rabbit)

Negative Control

Control Number: 901-NC499-081617

Catalog Number: NC499 AA, H, L

Description: 6.0, 25, 100 ml, prediluted

Intended Use:

For In Vitro Diagnostic Use

Summary and Explanation:

This Polymer Negative Control Serum is designed to work with both mouse and rabbit antibodies. The Polymer Negative Control Serum has been titrated for Biocare products including monoclonal and polyclonal antibodies, and antibody cocktails. It can be used with any of Biocare's mouse and/or rabbit polymer detection kits or Biocare's double stain kits. It can also be used on an automated staining system such as IntelliPATH FLX®. For all non-polymer based detection systems, please use NC498.

Principle of Procedure:

Negative

be shown when omitting the primary antibody or replacing a specific primary antibody with the normal serum (must be the same species as primary antibody). This control is easy to achieve and can be used routinely in immunohistochemical staining.

Source: Purified Mouse and Rabbit Immunoglobulin's

Isotype: IgG₁/kappa

Total IgG Concentration: ~0.33 µg/ml

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As: Buffer with protein carrier 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. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

Protocol Recommendations

Peroxide Block:

If using an HRP system, block for 5 minutes with Biocare's PEROXIDAZED 1.

Protein Block:

Optional: Incubate for 10-15 minutes at RT with Biocare's Background Sniper.

Pretreatment Protocol:

Please refer to the respective primary antibody datasheet for recommended pretreatment solution and protocol.

Negative Control:

Use a nonspecific negative reagent control in place of the primary antibody with a section of each patient specimen to evaluate nonspecific staining and allow better interpretation of specific staining at the antigen site.

Probe: Incubate for 10 minutes at RT with a Probe.

Polymer: Incubate for 10 minutes at RT with a Polymer.

Chromogen:

Incubate for 5 minutes at RT when using Biocare's DAB. - OR - Incubate for 10-20 minutes at RT when using Biocare's Vulcan Fast Red.

Technical Note:

This reagent has been standardized with Biocare's MACH 4 & MACH 2 DS #2 detection systems. It can also be used on an automated stainer.

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 NCCLS Quality Assurance for Immunocytochemistry approved guidelines, December 1999 MM4-A Vol.19 No.26 for more information about tissue controls.

Precautions:

This antibody contains less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC.

Sodium azide (NaN₃) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center for disease control, 1976, National Institute of Occupational Safety and Health, 1976)

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.

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.