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Product Information

MOUSE IgG1, κ (MOPC-21) Purified Immunoglobulin Mouse Isotype Control

Product No. **M 5284**

Product Description

The MOPC-21 tumor line that produces mouse IgG1, κ , is a mineral oil induced plasmacytoma. The product is originated and carried intraperitoneally in BALB/c mice.

Identity and purity of the immunoglobulin is established by immunoelectrophoresis (IEP) and Ouchterlony Double Diffusion (ODD). Electrophoresis of the purified immunoglobulin, followed by diffusion versus anti-mouse whole serum and anti-mouse IgG1 results in single arcs of precipitation. By ODD the purified immunoglobulin preparation is non-reactive with antisera to mouse IgA, IgM, IgG2a, IgG2b, and IgG3.

Equal concentrations of isotype control and primary antibody are recommended for use in flow cytometry.

Reagents

The IgG1, κ , purified from ascites fluid, is provided as a solution in 0.01 M PBS, pH 7.4, containing 1.0% BSA and 15 mM sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Product Profile

When evaluated in flow cytometry, the product did not stain human peripheral blood lymphocytes (PBLs). A FITC Sheep Anti-Mouse IgG (w.m.), F(ab) $'_2$ Fragment of Affinity Isolated Antibody, Adsorbed with Human Serum Proteins (Product No. F 2883) along with 1 μ g of the product was incubated with human PBLs and then evaluated by flow cytometry.

Immunoglobulin Concentration: 0.2 mg/ml

The specificity of staining by monoclonal antibodies to human CD antigens should be verified by establishing the amount of non-specific binding to the target cell population. It is recommended that a non-reactive immunoglobulin of the same isotype and concentration be included as a negative control for each monoclonal antibody reagent used in flow cytometry or other immunoassays.

Storage

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

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