

Product Information

Mouse IgG2a Isotype Control, Clone UPC-10

purified immunoglobulin

Catalog Number **M5409**

Product Description

The UPC-10 tumor line that produces mouse IgG2a, 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). Electrophoresis of the purified immunoglobulin, followed by diffusion versus anti-mouse whole serum and anti-mouse IgG2a results in single arcs of precipitation.

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.

Reagents

Supplied as a solution in 0.01 M PBS, pH 7.4, containing 1.0% BSA and 15mM sodium azide as a preservative.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage

For continuous use, store at 2-8 °C. 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.

Product Profile

Immunoglobulin concentration: 0.2 mg/ml

Working Concentration: equal concentrations of isotype control and primary antibody are recommended for use in flow cytometry.

When evaluated in flow cytometry, the product did not stain human peripheral blood lymphocytes (PBLs). Anti-Mouse IgG (whole molecule), F(ab')₂ fragment-FITC, Catalog Number F2883, along with 1 μ g of the product was incubated with human PBLs and then evaluated by flow cytometry.

MG,KAA,PHC 03/10-1