

Product Information

IgG2a-FITC Isotype Control from murine myeloma

Clone UPC-10, purified immunoglobulin

Catalog Number **F6522**

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.

The IgG2a, κ , purified from ascites fluid, is conjugated to fluorescein isothiocyanate, FITC.

Identity and purity of the immunoglobulin is established by immunoelectrophoresis (IEP) and Ouchterlony Double Diffusion (ODD), prior to conjugation.

Electrophoresis of the purified immunoglobulin, followed by diffusion versus anti-mouse whole serum, anti-mouse IgG2a and anti-mouse kappa chain, results in single arcs of precipitation. By ODD the purified immunoglobulin preparation is non-reactive with antisera to mouse lambda light chain, mouse IgA, IgM, IgG1, IgG2b and IgG3.

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 iso`type, concentration and F/P molar ratio be included as a negative control for each monoclonal antibody reagent used in flow cytometry or other immunoassays.

Reagents

The conjugate 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

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 up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Note: Store product protected from light.

Product Profile

Protein concentration: 200 μ g/ml

F/P Molar Ratio: 5 to 8

Working Concentration:

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

Reactivity

When evaluated in flow cytometry, the product did not stain human peripheral blood lymphocytes (PBLs), obtained from whole blood lysis.

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