

Product Information

IgG1-FITC Isotype Control from murine myeloma

Clone MOPC 21, purified immunoglobulin

Catalog Number **F6397**

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), prior to conjugation. Electrophoresis of the purified immunoglobulin, followed by diffusion versus anti-mouse whole serum, anti-mouse IgG1 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, IgG2a, 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 isotype, 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 IgG1, κ , purified from ascites fluid, is conjugated to fluorescein isothiocyanate (FITC) and 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 Disclaimers

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/Stability

Store at 2-8 °C. 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: 3 - 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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