

Product Information

IgG2a-PE Isotype Control from murine myeloma**Clone UPC-10**

purified immunoglobulin

Catalog Number **P4810****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) 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 purified immunoglobulin preparation is non-reactive with antisera to mouse lambda light chain, mouse IgA, IgM, IgG1, IgG2b and IgG3.

The IgG2a, κ , purified from ascites fluid, is conjugated to R-phycoerythrin (PE).

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 conjugated to phycoerythrin 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 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 ProfileProtein concentration: 200 μ g/ml A_{567}/A_{280} : between 1 and 4

Flow Cytometry: 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.

AH,PHC 09/10-1

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