

ProductInformation

Mouse IgG2b, κ (MOPC 195) Clarified Ascites

Product No. **M 1395**

Product Description

The MOPC 195 tumor line that produces mouse IgG2 β , κ is a mineral oil-induced plasmacytoma originated and carried intraperitoneally in BALB/c mice. The hapten binding specificity of the MOPC 195 line has not been determined. The ascites produced from the MOPC 195 tumor line contains IgG2 β , κ in addition to normal levels of other mouse immunoglobulins and serum proteins. The ascites fluid is clarified by centrifugation and filtration. The product is provided lyophilized from 0.01 M phosphate buffered saline, pH 7.2, with no preservatives added.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP) and Ouchterlony Double Diffusion (ODD). Electrophoresis of the ascites fluid followed by diffusion versus anti-mouse IgG2 β and anti-mouse kappa chain results in single arcs of precipitation. By ODD the ascites fluid (containing mouse IgG2 β , κ) is compared to purified myeloma protein.

Product Profile

Each vial contains at least 5mg of mouse IgG2 β , κ myeloma protein, determined by densitometry of electrophoresed ascites fluid.

Protein Concentration: 10-100 mg/ml (Biuret)

Storage

To one vial of lyophilized powder, add 1 ml of deionized water and an appropriate antimicrobial agent (e.g. sodium azide) to a final concentration of 15 mM. Rotate vial gently until powder dissolves. Prior to reconstitution store the product at 2-8 °C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

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