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Product Information

MOUSE IgG2a, κ (UPC-10)

Clarified Ascites

Product Number **M 7769**

Product Description

The UPC-10 tumor line that produces mouse IgG2a, κ is a tetramethylpentadecane (pristane) induced plasmacytoma originated and carried intraperitoneally in BALB/c mice. The hapten binding specificity of the UPC-10 line is for β -2-6-linked fructosan. The ascites produced from the UPC-10 tumor line contains IgG2a, κ in addition to normal levels of other mouse immunoglobulins and serum proteins. The ascites fluid is clarified by centrifugation and filtration.

Reagents

The product is provided lyophilized from 0.01 M phosphate buffered saline, pH 7.2, with no preservatives added.

Product Profile

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 IgG2a results in a single arc of precipitation. Electrophoresis and diffusion against anti-mouse whole serum results in

multiple arcs of precipitation. By ODD the ascites fluid containing mouse IgG2a, κ is compared with purified myeloma protein against anti-mouse serum and anti-mouse IgG2a.

Each vial contains at least 5 mg of mouse IgG2a, κ myeloma protein, determined by densitometry of electrophoresed ascites fluid.

Reconstitution

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.

Storage/Stability

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.

JWM/VLE/KMR 3/03

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