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Product Information

Anti-Mouse IgG2a (Heavy Chain Specific)

Developed in Goat
Affinity Isolated Antibody

Product Number **M 4434**

Product Description

Anti-Mouse IgG2a (Heavy Chain Specific) is developed in goat using purified mouse IgG2a (myeloma protein) as immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-mouse IgG2a antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to heavy chain of mouse IgG2a.

Specificity for the heavy-chain of mouse IgG2a is determined by Ouchterlony Double Diffusion (ODD). The antibody preparation is specific for mouse IgG2a when tested against purified mouse IgA, IgG1, IgG2a, IgG2b, IgG3, and IgM, myeloma proteins.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the antibody preparation followed by diffusion versus anti-goat IgG and anti-goat whole serum result in single arcs of precipitation.

Reagents

The purified antibody is lyophilized from 0.01 M sodium phosphate, 0.015 M sodium chloride, pH 7.2, to which no preservatives have been added.

Storage/Stability

When reconstituted with 1 ml of 0.135 M sodium chloride, each vial will yield a solution in phosphate buffered saline, pH 7.2. Prior to reconstitution, store at 0-5 °C. After reconstitution, the solution may be frozen in working aliquots. Repeated freezing the thawing is not recommended.

Product Profile

The protein content is determined after reconstitution with 0.135 M sodium chloride, by absorbance at 280nm using $E_{280}^{1\%} = 14.0$.

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