

ProductInformation

**ANTI-MOUSE IgG (g-chain specific)
Affinity Isolated Antigen Specific Antibody
Developed in Goat**

Product No. **M 1397**

Product Description

Antiserum is developed in goat using purified mouse IgG as the immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-mouse IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to γ -chain of mouse IgG. 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.

Specificity for the γ -chain of mouse IgG is determined by Ouchterlony Double Diffusion (ODD). The antibody preparation is specific for mouse IgG 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.

Product Profile

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

One milligram of affinity isolated antibody will react with 0.5-2.0 mg of mouse IgG as determined by single radial immunodiffusion.¹

Reconstitution and Storage

To one vial of lyophilized powder add sufficient 0.135 M sodium chloride to achieve a 1 mg/ml solution of antibody. Rotate vial gently until powder dissolves. This will yield a protein solution in 0.01 M phosphate buffered saline. 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.

Reference

1. Becker, W., Immunochem., **6**, 539 (1969).

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