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Product Information

Anti-Mouse IgG (whole molecule) Affinity Isolated Antigen Specific Antibody Developed in Goat

Product Number **M 8642**

Product Description

Anti-mouse IgG (whole molecule) is developed in goat using mouse IgG purified from pooled normal mouse serum as the immunogen. Affinity isolated specific antibody is purified from goat anti-mouse IgG antiserum to remove essentially all goat serum proteins including immunoglobulins which do not specifically bind to mouse IgG.

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

The isolated anti-mouse IgG antibodies react with mouse IgG subclasses G1, G2a, G2b, and G3, mouse IgM and IgA as determined by Ouchterlony Double Diffusion (ODD).

Reagents

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

Reconstitution

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.

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.

Product Profile

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

One milligram of affinity isolated antibody will react with 0.5-3.0 mg of mouse IgG as determined by single radial immunodiffusion (Becker).¹

References

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

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