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ProductInformation

Anti-Mouse IgG (whole molecule)
produced in goat, affinity isolated antibody,
adsorbed with human serum proteins

Product No. **M8645**

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. The antibody preparation is solid phase adsorbed with human serum proteins to ensure minimal cross reactivity in tissue or cell preparations.

The isolated anti-mouse IgG antibodies react with mouse IgG subclasses G1, G2a, G2b and G3 as determined by Ouchterlony Double Diffusion (ODD). Cross-reactivity of the product is determined by immunoelectrophoresis and ODD. The antibody shows no reactivity with human serum proteins.

Product Profile

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.

The protein content of each vial is determined after reconstitution with 1.0 mL of 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]

Reagent

The purified 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 1 mL of 0.135 M sodium chloride, rotate vial gently until powder dissolves. This will yield a protein solution in phosphate buffered saline.

Storage and 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.

Reference

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

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