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Product Information

ANTI-MOUSE IgG (WHOLE MOLECULE)

Developed in Goat
IgG Fraction of Antiserum

Product Number **M 8890**

Product Description

Anti-Mouse IgG is developed in goat using purified mouse IgG as the immunogen. Whole antiserum is fractionated and then further purified by ion exchange chromatography to provide the IgG fraction of antiserum. This fraction is essentially free of other goat serum proteins.

Antiserum is determined to be immunospecific for mouse IgG by immunoelectrophoresis (IEP) versus mouse IgG and normal mouse serum.

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

Reagents

The product is lyophilized from 0.01 M phosphate buffered saline, pH 7.4, to which no preservatives have been added.

Reconstitution

To one vial of lyophilized powder add 2 ml of deionized water. Rotate vial gently until powder dissolves.

Storage/Stability

Prior to reconstitution, store the product at 2 to 8 °C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Product Profile

Titer: Minimum 1:8

Using an Ouchterlony double diffusion (ODD) assay, in 1% agarose, 5 µl of serially diluted reconstituted antiserum is allowed to diffuse against 5 µl of a 1 mg/ml solution of purified mouse IgG (well separation: 7.5 mm center to center). Titer is equivalent to the highest dilution of antiserum resulting in a visible precipitate after 24 hours.

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