3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

ProductInformation

ANTI-MOUSE IgG (WHOLE MOLECULE)
Developed in Goat
Fractionated Antiserum

Product No. **M3014**

Product Description

Anti-Mouse IgG is developed in goat using purified mouse IgG as the immunogen. The fractionation procedure yields primarily the immunoglobulin fraction of antiserum. Goat Anti-Mouse IgG is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

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

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 results in arcs of precipitation. A single arc is observed versus anti-goat IgG and multiple arcs are seen versus anti-goat whole serum.

Product Profile

Protein Concentration: not more than 90 mg/ml by Biuret.

Precipitation Analysis
One milliliter of reconstituted antibody preparation will precipitate 0.5-1.5 mg of purified mouse IgG at equivalence.

Titer: Minimum 1:8
Using an Ouchterlony double diffusion (ODD) assay, in 1% agarose, 5 µl of serially diluted reconstituted antiserum is reacted 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.

Reconstitution and Storage

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

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