

Product Information

Anti-Mouse IgG (Fab specific)

produced in goat, affinity isolated antibody
adsorbed with bovine, horse and human serum proteins

Catalog Number **M4155**

Product Description

Antiserum is produced in goat using purified mouse IgG Fab fragment as the immunogen. Antibody is isolated from goat anti-mouse IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to the Fab fragment of mouse IgG. The antibody preparation is solid phase adsorbed with human serum proteins to ensure minimal cross reactivity in tissue or cell preparations. Solid phase adsorption with bovine and horse serum proteins ensures minimal cross reactivity with horse or fetal calf serum in hybridoma media.

Specificity is determined by ELISA, immunoelectrophoresis (IEP) and Ouchterlony double diffusion (ODD). By IEP, single precipitation arcs are observed versus normal mouse serum, mouse IgG and the Fab fragment of mouse IgG, while no reaction is observed versus the Fc fragment of mouse IgG. In an ELISA the product reacts with mouse IgG and shows no reactivity with human IgG, IgA, IgM, kappa and lambda light chain, bovine IgG and IgM, or horse IgG. In the ODD, no cross reaction was detected versus normal bovine, horse or human serum.

Anti Mouse IgG (Fab specific) recognizes the native form of the Fab fragment.

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.

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

This goat antiserum was maintained at pH 5.0 for 40 minutes to meet USDA requirements.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/ Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Product Profile

Protein Concentration: 2.0-2.2 mg/ml by absorbance at 280nm ($E_{280}^{1\%} = 14.0$).

Indirect ELISA: a working dilution of 1:15,000 is determined using 5 µg/ml mouse IgG for coating

Note: In order to obtain the best results in various techniques and preparations we recommend determining the optimal working dilutions by titration

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