

Product Information

Anti-Mouse IgG (Fab specific)
produced in goat, affinity isolated antibody
adsorbed with human IgG and rat serum proteins

Catalog Number **M0784**

Product Description

Anti-Mouse IgG (Fab specific) is produced in goat using purified mouse IgG as the immunogen. Affinity isolated antibody is obtained from goat anti-mouse antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, that do not specifically bind to the Fab fragment of mouse IgG. The antibody preparation is solid phase adsorbed with human IgG and rat serum proteins to ensure minimal cross reactivity in tissue or cell preparations.

This product is determined to be specific for the Fab fragment of mouse IgG by immunoelectrophoresis using normal mouse serum, mouse IgG, the Fab fragment of mouse IgG and the Fc fragment of mouse IgG. Adsorption is tested by ELISA and double immunodiffusion (Ouchterlony). No reactivity is observed with mouse IgG (Fc fragment), human IgG, IgA, IgM, or rat IgG by ELISA. No reactivity is observed with human or rat serum proteins by Ouchterlony.

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

The reagent is useful as a starting material for conjugates and applicable with primary monoclonal mouse antibodies of all the possible mouse immunoglobulin isotypes (IgG all subclasses, IgA, IgE, and IgM).

Reagent

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

Precautions and Disclaimer

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

Storage/Stability

Store at 2-8 °C for up to one month. For extended storage, freeze 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

Indirect ELISA: a working dilution of 1:10,000 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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