

Product Information

Anti-Mouse IgG (Fc specific)-FITC

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

Catalog Number **F4143**

Product Description

Antiserum is produced in goat using purified mouse IgG, Fc 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 Fc fragment of mouse IgG. Goat anti-mouse IgG is conjugated to FITC and then purified by gel filtration to remove free FITC. 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 equine serum proteins ensures minimal cross reactivity with horse or fetal calf serum in hybridoma media.

Specificity for the Fc fragment of mouse IgG is determined by immunoelectrophoresis (IEP). The conjugate shows no reactivity with mouse IgG, Fab fragment, normal human serum, normal horse serum or normal bovine serum.

Identity and purity of the antibody is established by immunoelectrophoresis, prior to conjugation. Electrophoresis of the antibody preparation followed by diffusion versus anti-goat IgG and anti-goat whole serum result in single arcs of precipitation.

Reagents

Supplied as a solution in 0.01 M sodium phosphate buffered saline, pH 7.4, containing 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

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

F/P Molar Ratio: 2.5-6.5

Protein Concentration = 3.0-5.5 mg/ml by absorbance at 280 nm and 495 nm ($E_{280}^{1\%} = 14.0$, $E_{495}^{1\%} = 15.0$).

Indirect immunofluorescence: a minimum working dilution of 1:128 was determined using Monoclonal Anti- β_2 -Microglobulin, Catalog Number M7398, incubated with human peripheral blood lymphocytes.

Immunohistochemistry: a minimum working dilution of 1:100 was determined in an indirect assay using Monoclonal Anti-Actin, α -Smooth Muscle, Catalog Number A2547, incubated with formalin-fixed, paraffin-embedded human tonsil sections.

Note: Working dilutions should be determined by titration assay. Due to differences in assay systems, these titers may not reflect the user's actual working dilution.

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