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Product Information

Anti-Mouse IgG (Fab specific)-FITC
produced in goat, Affinity Isolated Antibody
adsorbed with human IgG

Catalog Number **F5262**

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. 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 IgG to ensure minimal cross reactivity in tissue or cell preparations.

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

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 results in single arcs of precipitation.

Reagent

Supplied as a solution in 0.01 M sodium 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.

Storage

For continuous use, store at 2-8 °C for a maximum of 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 = 3.0-6.5 mg/ml by absorbance at 280 nm and 495 nm ($E_{280}^{1\%}$ = 14.0, $E_{495}^{1\%}$ = 15.0).

F/P Molar Ratio: 2.5-6.5

Indirect immunofluorescence: a minimum dilution of 1:128 was determined using Monoclonal Anti-Human β-2 Microglobulin, Catalog Number M7398, incubated with human peripheral blood lymphocytes.
Immunohistochemistry: a minimum dilution of 1:150 was determined using primary antibody incubated with formalin-fixed, paraffin-embedded human tonsil slides.

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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