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Product Information

**ANTI-MOUSE IgG (Fc SPECIFIC)
FITC CONJUGATE**
Antibody developed in Goat
Affinity Isolated Antigen Specific Antibody
Adsorbed with Bovine, Horse and Human Serum Proteins

Product No. **F4143**

Product Description

Antiserum is developed 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 horse 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

The conjugate is provided 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

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

Product Profile

1. A minimum working dilution of 1:64 was determined in an indirect immunofluorescence assay using Mouse Monoclonal Anti-Human β_2 -Microglobulin (Product No. M7398) incubated with human peripheral blood lymphocytes.
2. A minimum working dilution of 1:80 was determined in an indirect assay using Mouse Monoclonal Anti-Human IgG (Product No. I5885) incubated with formalin-fixed, paraffin-embedded human tonsil sections.

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.

F/P Molar Ratio: 3.0 to 8.0

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

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 is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

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