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Product Information

Anti-Human IgG (Fc specific)-FITC
produced in goat, affinity isolated antibody

Catalog Number **F9512**

Product Description

Anti-Human IgG (Fc specific) is produced in goat using purified human IgG Fc fragment as the immunogen. The antibody is isolated from goat anti-human IgG antiserum by immunospecific purification, which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to the Fc fragment of human IgG. Anti-Human IgG (Fc specific) is conjugated to FITC and then purified by gel filtration to remove free FITC.

Specificity for the Fc fragment of human IgG is determined by immunoelectrophoresis (IEP). The conjugate shows no reactivity with human IgG Fab fragment, IgA, IgM and light chains. By Ouchterlony double diffusion (ODD), the product shows no cross reaction with normal mouse or rat serum proteins.

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

Reagent

Supplied as a solution in 0.01 M PBS, pH 7.4, containing 15 mM sodium azide.

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 Material 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 should 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.

Note: Store product protected from light.

Product Profile

Protein concentration: 3-6.5 mg/ml by absorbance at 280 nm and 495 nm ($E^{1\%}_{280}$ = 14.0, $E^{1\%}_{495}$= 15.0).

F/P Molar Ratio: 2.5-6.5

Immunofluorescence: a minimum working dilution of 1:64-1:128 was determined

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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