

Product Information

Anti-Mouse IgG (Fab specific)-TRITC

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

Catalog Number **T7782**

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. 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.

Anti-Mouse IgG (Fab specific) is conjugated to tetramethylrhodamine isothiocyanate (TRITC) and then purified by gel filtration to remove free TRITC.

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

Precautions

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.

Note: Store product protected from light.

Product Profile

F/P Molar Ratio: 1.0 - 5.0

Protein Concentration = 3.0 - 6.0 mg/ml

Direct immunofluorescence: a minimum dilution of 1:64 was determined using human peripheral blood lymphocytes and Monoclonal Anti-Human β_2 -Microglobulin, Catalog Number M7398, as the primary antibody.

Immunohistochemistry: a minimum dilution of 1:400 was determined using formalin-fixed, paraffin-embedded human tonsil sections and Monoclonal Anti-Actin, α -Smooth Muscle, Catalog Number A2547, as the primary antibody.

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.

TLD.KAA,PHC 09/08-1