

Product Information

Anti-Mouse IgG (Fab Specific)-TRITC

produced in goat, affinity isolated antibody
antibody adsorbed with human IgG

Product Number **T6528**

Product Description

Anti-Mouse IgG (Fab specific) 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 to remove 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 IgG to ensure minimal cross reactivity in tissue or cell preparations. Anti-Mouse IgG (Fab specific) is conjugated to crystalline tetramethylrhodamine isothiocyanate (TRITC) in an alkaline reaction, then further purified to remove unbound TRITC.

Specificity of the TRITC conjugated Anti-Mouse IgG is determined by immunoelectrophoresis (IEP) against normal mouse serum and mouse IgG. Cross reactivity of the antibody-conjugate is determined by Ouchterlony Double Diffusion (ODD). The conjugate shows no reactivity with mouse IgG Fc fragment or human IgG. The conjugate can detect mouse IgA, mouse IgM, and all subclasses of mouse IgG.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP), 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.

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.

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, 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 by centrifugation before use.

Note: Store product protected from light.

Product Profile

F/P Molar Ratio: 1.0 - 5.0

Indirect immunofluorescence: a minimum working dilution of 1:32 was determined using human peripheral blood lymphocytes and Monoclonal Anti-β-2 Microglobulin, Catalog Number M7398, as the primary antibody.

Immunohistochemistry: a minimum working dilution of 1:100 was determined using formalin-fixed, paraffin-embedded human tonsil sections and Monoclonal Anti-Human IgG (γ-chain specific), Catalog Number I5885, as the primary antibody.

Note: In order to obtain best results, it is recommended that each individual user determine their working dilution by titration assay.

This goat antiserum was maintained at pH 5.0 for 40 minutes to meet U.S.D.A. requirements.

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