

Product Information

Anti-Rabbit IgG (whole molecule)-FITC

produced in sheep, affinity isolated antibody
adsorbed with human IgG

Catalog Number **F7512**

Product Description

Antiserum is produced in sheep using purified rabbit IgG as the immunogen. Antibody is isolated from sheep anti-rabbit IgG antiserum by immunospecific purification which removes essentially all sheep serum proteins, including immunoglobulins, which do not specifically bind to rabbit IgG. The antibody preparation is solid phase adsorbed with human IgG to ensure minimal cross reactivity in tissue or cell preparations. Sheep anti-rabbit IgG is conjugated to fluorescein Isothiocyanate (FITC). Free FITC is removed by gel filtration.

Specificity of the anti-rabbit IgG for rabbit IgG is determined by immunoelectrophoresis (IEP) prior to conjugation, using normal rabbit serum and rabbit IgG. No cross reaction with human IgG is observed.

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

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, with 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, 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

IgG Concentration: 3-6.5mg/ml

F/P Molar Ratio: 2.5-6.5

Direct immunofluorescence: a minimum working dilution of 1:160 was determined using human peripheral blood lymphocytes.

Immunohistochemistry: a minimum working dilution of 1:160 was determined using formalin-fixed, paraffin-embedded human tonsil sections and Anti-Human IgG, Catalog Number I8635, as the primary antibody.

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

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