

Product Information

Anti-FITC-Alkaline Phosphatase

produced in rabbit, IgG fraction of antiserum

Catalog Number **A4843**

Product Description

Anti-FITC (fluorescein isothiocyanate) is produced in rabbit using FITC-BSA as immunogen. The Anti-FITC antibody is an IgG fraction of pooled antiserum. The BSA specific antibodies are removed by adsorption on immobilized BSA. The product is prepared from a solution of rabbit anti-FITC conjugated to alkaline phosphatase (calf intestine) with 0.2% glutaraldehyde.

Anti-FITC-Alkaline Phosphatase recognizes the free FITC molecule and FITC conjugated to various biomolecules such as proteins (immunoglobulins, enzymes), oligonucleotides, nucleic acids and other ligands. The product may be used in solid phase enzyme immunoassay system (ELISA), dot immunoblotting and in immunohistochemistry.

Reagent

Supplied in 0.05 M Tris buffer, pH 8.0 containing 1% BSA, 1 mM MgCl₂, 50% glycerol, and 15 mM sodium azide.

The concentration of IgG in the conjugate is 1-2 mg/ml.

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 and extended storage, store at 2-8 °C. Do not freeze. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

Indirect ELISA: a minimum working dilution of 1:30,000 is determined by ELISA using microtiter plates coated with 5 µg/ml human IgG, and Anti-Human IgG (Fab specific)-FITC, Catalog Number F5512, diluted 1:50 as primary antibody.

Dot Blotting: a minimum working dilution of 1:300,000 is determined using 20 ng human IgG/dot and Anti-Human IgG (Fab specific)-FITC, Catalog Number F5512, diluted 1:100 as primary antibody. Substrate: BCIP/NBT (color) or 1,2 dioxetane plus enhancer (chemiluminescent).

Immunohistochemistry: a minimum working dilution of 1:100 is determined using using formalin-fixed, paraffin-embedded human tissues, with Monoclonal Anti-Actin, α-Smooth Muscle - FITC, Catalog Number F3777, diluted 1:1,000 as primary antibody.

Note: In order to obtain best results and assay sensitivity in different techniques and preparations we recommend determining optimal working dilutions by titration test.

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