

Datasheet for ABIN7565828
anti-Protein G antibody (FITC)



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Overview

Quantity:	25 µL
Target:	Protein G
Reactivity:	Streptococcus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Protein G antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Dot Blot (DB), Western Blotting (WB), Fluorescence Microscopy (FM), FLISA

Product Details

Purpose:	Protein G Antibody Fluorescein Conjugated
Immunogen:	Immunogen: Protein G (Streptococcus species) Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-fluorescein, anti-Rabbit Serum and Protein G.
Characteristics:	Synonyms: rabbit anti-Protein G Antibody FITC Conjugation, Fluorescein conjugated rabbit anti-Protein G Antibody, Protein G FITC
Purification:	Anti-Protein G antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.
Sterility:	Sterile filtered

Product Details

Labeling Ratio: 4.5

Target Details

Target: Protein G

Abstract: [Protein G Products](#)

Background: Background: Protein G is a protein that has the property of binding to immunoglobulins. It is a 65- kDa cell surface protein that is commonly used for purifying antibodies through binding to the Fab and Fc regions. Protein G was originally isolated from Streptococcal bacteria. It is similar in properties to Protein A but has unique IgG binding specificities. Native protein G also binds albumin, however Rockland uses recombinant forms of Protein G that only bind to immunoglobulins.

Application Details

Application Notes: Application Note: FITC Conjugated Anti-Protein G antibody has been tested by dot blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Flow Cytometry Dilution: User Optimized Western Blot Dilution: User Optimized FLISA Dilution: User Optimized IF Microscopy Dilution: 1:50 - 1:250 Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiry Date: 12 months