Datasheet for ABIN7565830

anti-Protein G antibody (Texas Red (TR))

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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 Texas Red (TR)
Application:	Flow Cytometry (FACS), Fluorescence Microscopy (FM)

Product Details

Purpose:	Protein G Antibody Texas Red™ Conjugated
Immunogen:	Immunogen: Protein G [Streptococcus species] Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Protein G [Streptococcus species], anti-Rabbit IgG and anti-Rabbit Serum.
Characteristics:	Synonyms: rabbit anti-Protein G Antibody Texas Red™ Conjugation, Texas Red™ conjugated rabbit anti-Protein G Antibody, Protein G Texas Red™
Purification:	Anti-Protein G Texas Red Conjugated 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:	2.4

Target Details

Target:	Protein G
Abstract:	Protein G Products
Background:	Background: Protein G is a protein that has the property of binging 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: Anti-Protein G Texas Red 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: 1:200-1:1,000 IF Microscopy Dilution: 1:50-1:250 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	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
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of

Handling

	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

