

Datasheet for 200-409-138**Protein G Antibody Texas Red™ Conjugated****Overview**

Description:	Anti-Protein G (RABBIT) Antibody Texas Red™ Conjugated - 200-409-138
Item No.:	200-409-138
Size:	20 mg
Reactivity:	Protein G
Host Species:	Rabbit

Product Details

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.
Synonyms:	rabbit anti-Protein G Antibody Texas Red™ conjugation, Rabbit anti Protein G Texas Red™, Rabbit anti PG Texas Red™
Host Species:	Rabbit
Conjugate:	Texas Red®
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	2.4

Target Details

Reactivity:	Protein G
Immunogen Type:	Native Protein
Immunogen:	Protein G [Streptococcus species]

Purity/Specificity:	This product 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. 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.
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Application Details

Application Note:	This product 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	User Optimized
IF:	1:500-1:2,500

Formulation

Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.