

Datasheet for 610-109-043**Mouse IgG3 Antibody Texas Red™ Conjugated Pre-adsorbed****Overview**

Description:	Goat Anti-Mouse IgG3 (Gamma 3 chain) Antibody Texas Red™ Conjugated (Min X Bv, Hu, and Rb Serum Proteins) - 610-109-043
Item No.:	610-109-043
Size:	1 mg
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG3 Texas Red Antibody generated in goat detects reactivity to Mouse IgG3 (Gamma 3 chain). Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. IgG3 comprises almost 10% of the IgG subclass and has a high affinity for binding to the Fc receptor of phagocytic cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.
Synonyms:	goat anti-MOUSE IgG3 Antibody Texas Red™ Conjugation, goat anti-MOUSE IgG3 Texas Red™ Conjugated Antibody
Host Species:	Goat
Specificity:	IgG3
Conjugate:	Texas Red®
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Mouse IgG3 heavy chain

Purity/Specificity: Anti-MOUSE IgG3 (Gamma 3 chain) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse Serum and Mouse IgG3. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA at less than 1% of target signal.

Application Details

Application Note: Anti-Mouse IgG3Texas Red™ Conjugated antibodies are suitable for ELISA, Immunohistochemistry, western blotting, immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting as well as other anti IgG3 antibody based assays. Mouse IgG3 secondary antibody is available in a variety of formats. This product is 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.

FLISA: 1:10,000 - 1:50,000

IF: 1:1,000 - 1:5,000

IHC: 1:1,000 - 1:5,000

WB: 1:4,000 - 1:20,000

Formulation

Physical State: Lyophilized

Concentration: 1.0 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: 1.0 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.