



Anti-MONKEY IgG (gamma chain) (GOAT) Antibody Texas Red™ Conjugated - 617-109-012

Code: 617-109-012

Size: 1 mg

Product Description: Anti-MONKEY IgG (gamma chain) (GOAT) Antibody Texas Red™ Conjugated - 617-109-012

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Texas Red®
Host	Goat
Emission Wavelength	620
Excitation Wavelength	596
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide
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.
Synonyms	goat anti-Monkey IgG (gamma chain) Texas Red™ conjugated antibody, goat anti-Monkey IgG (gamma chain) antibody Texas Red™ conjugation
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.
Background	Anti-Monkey IgG (gamma chain) generated in goat detects monkey Immunoglobulin G (gamma chain). It is a protein complex composed of four peptide chains — two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B 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. This Anti-Monkey IgG gamma is conjugated to Texas Red™.
Purity And Specificity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Monkey 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, Monkey IgG and Monkey Serum. Specificity was confirmed by ELISA at less than 1% cross reactivity against other Monkey heavy or light chain isotypes.
Assay Dilutions	FLOW CYTOMETRY 1:500 - 1:2,500
FLISA	1:10,000 - 1:50,000
IF Microscopy	1:1,000 - 1:5,000
Flow Cytometry	1:500 - 1:2,500
Other Assays	FLOW CYTOMETRY 1:500 - 1:2,500
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Monkey IgG gamma heavy chain
Related Products	

610-4302

Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302

611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50

Images

- 1 This table displays additional reactivity among various species of serum and immunoglobulin. A (+) indicates antibody reactivity to the corresponding target.

<u>Product</u>	<u>Gt-a-Monkey IgG</u>	<u>Gt-a-Monkey IgA</u>	<u>Gt-a-Monkey IgM</u>
Rhesus Serum	+	+	+
Baboon Serum	+	+	+
Cynomologus Serum	+	+	+
Rhesus IgG	+		
Human IgA		+	
Human IgM			+

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.