



Anti-HUMAN IgG (H&L) (MOUSE) Antibody Rhodamine Conjugated - 609-300-002

Code: 609-300-002

Size: 1 mg

Product Description: Anti-HUMAN IgG (H&L) (MOUSE) Antibody Rhodamine Conjugated - 609-300-002

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

PhysicalState: Lyophilized

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| Label | Rhodamine (TRITC) |
| Host | Mouse |
| Emission Wavelength | 570 |
| Excitation Wavelength | 550 |
| Species Reactivity | Human |
| 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 | mouse anti-Human IgG rhodamine conjugated Antibody, mouse anti-Human IgG Antibody TRITC conjugation |
| Application Note | Mouse Anti-Human IgG Rhodamine conjugated 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-Human IgG (H&L) Rhodamine generated in mouse detects human Immunoglobulin G (IgG), both heavy and light chains of the antibody molecule are present. 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 in humans, 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. |
| Purity And Specificity | Human IgG (H&L) Antibody Rhodamine Conjugated was prepared from monospecific polyclonal ascites by immunoaffinity chromatography using Human IgG 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-Mouse Serum, Human IgG and Human Serum. |
| IF Microscopy | 1:500-1:2,500 |
| Expiration | Expiration date is one (1) year from date of opening. |
| Immunogen | Human IgG whole molecule |
| 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

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Dot Blot of Mouse Anti-Human IgG Rhodamine Conjugated Secondary Antibody. Antigen: Human IgG. Load: 3-fold serial dilution starting at 200 ng. Primary antibody: None. Secondary antibody: Rhodamine mouse secondary antibody at 1:1000 for 1H at RT. Block: MB-070 for 1 H at RT.

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|---|---|---|---|---|
| 2 | 6 | 2 | 7 | 2 |
| 0 | 6 | 2 | . | . |
| 0 | . | . | 4 | 5 |
| n | 7 | 2 | n | n |
| g | n | n | g | g |
| | g | g | | |

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.