

**Anti-MOUSE IgG1 (Gamma 1 chain) (RABBIT) Antibody Rhodamine Conjugated - 610-4040**
**Code:** 610-4040

**Size:** 1 mg

**Product Description:** Anti-MOUSE IgG1 (Gamma 1 chain) (RABBIT) Antibody Rhodamine Conjugated - 610-4040

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

**PhysicalState:** Lyophilized

<b>Label</b>	Rhodamine (TRITC)
<b>Host</b>	Rabbit
<b>Emission Wavelength</b>	570
<b>Excitation Wavelength</b>	550
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	1.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	Rabbit Anti-Mouse IgG1 (Gamma 1 chain) Antibody rhodamine Conjugation, Rabbit Anti-Mouse IgG1 TRITC Conjugated Antibody
<b>Application Note</b>	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.
<b>Background</b>	Anti-Mouse IgG1 Rhodamine Antibody generated in rabbit detects reactivity to Mouse IgG1 (Gamma 1 chain). Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. IgG1 chain constitutes 66% 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.
<b>Purity And Specificity</b>	This product 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-Rabbit Serum and Mouse IgG and Mouse Serum. Specificity was confirmed by ELISA at less than 1% cross reactivity against other mouse heavy or light chain isotypes.
<b>Assay Dilutions</b>	FLOW CYTOMETRY 1:500 - 1:2,500
<b>FLISA</b>	1:10,000 - 1:50,000
<b>IF Microscopy</b>	1:1,000 - 1:5,000
<b>Flow Cytometry</b>	1:500 - 1:2,500
<b>Other Assays</b>	FLOW CYTOMETRY 1:500 - 1:2,500
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Mouse IgG1 heavy chain

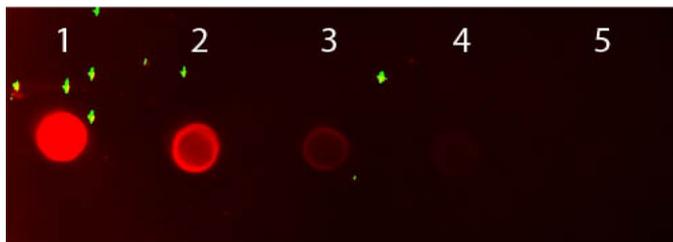
**Related Products**

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 Dot Blot of Rhodamine Conjugated Rabbit-anti-Mouse IgG1. Antigen: Mouse IgG1. Load: Lane 1 - 50ng Lane 2 - 16.67ng Lane 3 - 5.56ng Lane 4 - 1.85ng Lane 5 - 0.62ng. Primary antibody: none. Secondary antibody: Rhodamine Conjugated Rabbit-a-Mouse IgG1 secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 60 min at RT.



## 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.