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Datasheet for 610-100-115

Mouse IgG + IgM (H&L) Antibody Rhodamine Conjugated Pre-Adsorbed

Overview

Description:	Goat Anti-Mouse IgG + IgM (H&L) Antibody Rhodamine Conjugated (Min X to Bv Hs & Hu Serum Proteins) - 610-100-115
Item No.:	610-100-115
Size:	1 mg
Applications:	Dot Blot
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG + IgM Rhodamine Antibody generated in Goat detects reactivity to Mouse IgG and IgM. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together. 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. Anti-Mouse IgG + IgM Rhodamine Antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.
Synonyms:	Goat Anti-Mouse IgG + IgM Antibody Fluorescein Conjugated Pre-Adsorbed, Goat Anti-Mouse IgG/IgM Antibody Fluorescein Conjugated
Host Species:	Goat
Specificity:	IgG + IgM (H&L)
Conjugate:	Rhodamine (TRITC)

Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	1.68

Target Details

Reactivity:	Mouse
Immunogen:	Mouse IgG and IgM whole molecules
Purity/Specificity:	Anti-MOUSE IgG + IgM (H&L) (GOAT) Antibody was prepared from polyspecific 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 IgG and Mouse IgM. No reaction was observed against bovine, horse or human serum proteins.

Application Details

Tested Applications:	Dot Blot
Application Note:	Anti-MOUSE IgG + IgM (H&L) (GOAT) Rhodamine Antibody has been tested by dot blot and 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. A working dilution of 1:15,000 to 1:70,000 of the concentration is suggested for this product. Mouse IgG and IgM antibody is suitable for immunoassays including western blot and ELISA.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	1:500 - 1:2,500
FLISA:	1:10,000 - 1:50,000
IF:	1:1,000 - 1:5,000

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.