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Datasheet for 610-101-430

Mouse IgG IgA IgM (H&L) Pre-Adsorbed

Overview

Description:	Goat Anti-Mouse IgG IgA IgM (H&L) (Min X Bv, Hs, Hu Serum Proteins) - 610-101-430
Item No.:	610-101-430
Size:	1 mg
Applications:	Dot Blot, ELISA
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	Anti-Mouse IgG IgA IgM Antibody generated in goat detects reactivity to Mouse IgG, Mouse IgA, and Mouse 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 A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA). 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.
Synonyms:	Goat Anti Mouse IgG IgA IgM Pre-Adsorbed, Goat Anti-Mouse IgG IgA IgM Antibody, Goat Anti-Mouse IgGAM
Host Species:	Goat
Specificity:	IgG IgA IgM
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen:	Mouse IgG IgA and IgM whole molecule
Purity/Specificity:	Secondary Antibody was prepared from polyspecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by cross adsorption to remove unwanted specificities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG, Mouse IgA and Mouse IgM. No reaction was observed against bovine, horse or human serum proteins. This reagent is suitable for the detection of all mouse isotypes and chain combinations. ELISA was used to confirm specificity at less than 1% of the target signal.

Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Anti-Mouse IgG IgA IgM antibody has been tested by ELISA and Dot Blot, and is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000-1:90,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.2 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:	None

Shipping & Handling

Shipping Condition:	Wet Ice

Storage Condition:	Store vial at 4° C prior to opening. 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.