

Datasheet for 609-102-130**Human IgG IgA IgM (H&L) Antibody Fluorescein Conjugated****Overview**

Description:	Goat Anti-Human IgG IgA IgM (H&L) Antibody Fluorescein Conjugated - 609-102-130
Item No.:	609-102-130
Size:	2 mg
Applications:	Dot Blot, WB
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	Anti-Human IgG IgA IgM (H&L) Fluorescein Antibody generated in goat detects human (heavy and light chain) immunoglobulin G, A, and M. Immunoglobulin G binds to antigens and can neutralize or opsonize targets, and are predominantly involved in the secondary immune response. 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, or IgM, is a pentamer composed of 5 immunoglobulin molecules linked through their F(c) domain by the J chain. 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-Human IgG IgA IgM Antibody fluorescein Conjugated, Goat Anti-Human IgG IgA IgM Antibody fluorescein Conjugated, Goat Anti-Human IgGAM Antibody FITC Conjugated
Host Species:	Goat
Specificity:	IgG IgA IgM
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	3.48
Specific Activity:	3.38

Target Details

Reactivity:	Human
Immunogen:	Human IgG, IgA and IgM whole molecules
Purity/Specificity:	This product was prepared from polyspecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum, Human IgG, Human IgA and Human IgM. This reagent is suitable for the detection of all Human isotypes and chain combinations.

Application Details

Tested Applications:	Dot Blot, WB
Application Note:	Anti-Human IgG IgA IgM (H&L) Fluorescein Antibody has been tested by dot blot and western 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.
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

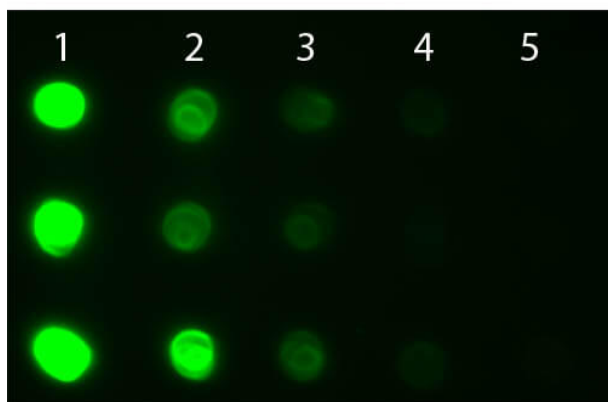
Formulation

Physical State:	Lyophilized
Concentration:	2.0 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.

Images



Dot Blot

Dot Blot of Goat anti-Human IgG IgA IgM Antibody
 Fluorescein Conjugated. Antigen: Row 1 - Human IgG Row
 2 - Human IgA Row 3 - Human IgM. Load: Lane 1 - 100 ng
 Lane 2 - 33.3 ng Lane 3 - 11.1 ng Lane 4 - 3.70 ng Lane 5 -
 1.23 ng. Primary antibody: n/a. Secondary antibody: Goat
 anti-Human IgG IgA IgM Antibody Fluorescein Conjugated 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.