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Datasheet for 812-1102

Fab Rat IgG (H&L) Antibody

Overview

Description:	Goat Fab Anti-Rat IgG (H&L) Antibody - 812-1102
Item No.:	812-1102
Size:	1 mg
Applications:	Dot Blot, ELISA
Reactivity:	Rat
Host Species:	Goat

Product Details

Background:	Fab Anti-Rat IgG (H&L) Antibody generated in goat detects immunoglobulin g from rat, both heavy and light chains of the antibody molecule are present. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins, 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.
Synonyms:	Goat Fab Anti-Rat IgG Antibody, Goat Fab Fragment Anti-Rat IgG Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG Fab

Target Details

Reactivity:	Rat
Immunogen:	Rat IgG whole molecule

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, papain digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum. No reaction was observed against anti-Papain or anti-Goat IgG F(c).

Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Fab Anti-Rat IgG (H&L) Antibody has been tested by ELISA and dot blot and is suitable for highly specific immunological methods requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Liquid (sterile filtered)
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:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable 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 Fab Goat Anti-Rat IgG Antibody. Rat IgG (p/n 012 -0102) (1) 100ng, (2) 33.33ng, (3) 11.11ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: Fab Goat Anti-Rat IgG at 1.0µg/mL for 1hr at RT. Secondary Antibody: Donkey Anti-Goat IgG HRP (p/n 605-703-125) at 1:40,000 for 30 mins at RT. Block: BlockOut buffer (p/n MB-073) for 30 mins at RT. Exposure: 5 sec.

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.