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Datasheet for 709-1517

F(ab')2 Human IgG Fc Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed

Overview

Description:	Goat F(ab')2 Anti-Human IgG Fc Antibody Alkaline Phosphatase Conjugated (Min X Bv Hs Ms & Rt Serum Proteins) - 709-1517
Item No.:	709-1517
Size:	500 µg
Applications:	Dot Blot
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	F(ab')2 Anti-Human IgG F(c) Alkaline Phosphatase Antibody generated in goat detects Human F (c). Representing approximately 75% of serum immunoglobulins in humans, 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. F(c) Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.
Synonyms:	Goat F(ab')2 Anti-Human IgG F(c) Alkaline Phosphatase Conjugated Pre-Adsorbed Antibody, Goat Fab2 Anti-Human IgG Fc Fragment Alkaline phosphatase Conjugated Antibody, Goat F (ab')2 Anti-Human IgG F(c) Fragment Antibody alk phos Conjugated
Host Species:	Goat
Specificity:	IgG Fc
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG F(ab')2

Target Details

Reactivity:	Human
Immunogen:	Human IgG F(c) fragment
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase, anti-Goat Serum, Human IgG, Human IgG F(c) and Human Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Human IgG F(ab) or Bovine, Horse, Mouse and Rat Serum Proteins.

Application Details

Tested Applications:	Dot Blot
Application Note:	F(ab')2 Anti-Human IgG F(c) Alkaline Phosphatase Antibody has been tested by dot blot and is assayed against 1.0 µg of Human IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product. Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent 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:	1:2,000 - 1:10,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,500

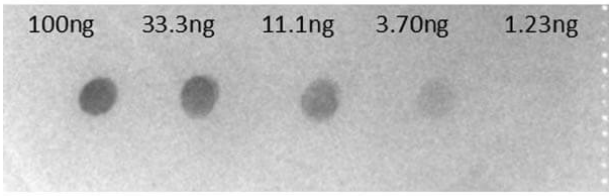
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Dot Blot
Dot Blot of Goat F(ab')2 Anti-HUMAN IgG F(c) Alkaline Phosphatase Conjugated Antibody Min X Bv Hs Ms & Rt Serum Proteins. Lane 1: 100ng hu IgG. Lane 2: 33.3ng hu IgG. Lane 3: 11.1ng hu IgG. Lane 4: 3.70ng hu IgG. Lane 5: 1.23ng hu IgG. Secondary Antibody: Gt-F(ab')2 anti-Hu IgG Fc Alk Phos at 1µg/mL. Blocking Buffer: BlockOut MB-073 for 30 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.