F(ab')2 Anti-HUMAN IgG F(c) (GOAT) Antibody Alkaline Phosphatase Conjugated Min X Bv Hs Ms & Rt Serum Proteins - 709-1517

Code: 709-1517 **Size:** 500 µg

Product Description: F(ab')2 Anti-HUMAN IgG F(c) (GOAT) Antibody Alkaline Phosphatase Conjugated Min X Bv Hs Ms & Rt Serum Proteins - 709-1517

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Alkaline Phosphatase (Calf Intestine)
Host	Goat
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
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.05% (w/v) Sodium Azide
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.
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
Application Note	F(ab')2 Anti-Human IgG F(c) Alkaline Phosphatase Antibody has been 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.
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.
Purity And 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.
Assay Dilutions	User Optimized
ELISA	1:2,000 - 1:10,000
Western Blot	1:500 - 1:2,500
Immunohistochemistry	1:200 - 1:1,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Human IgG F(c) fragment

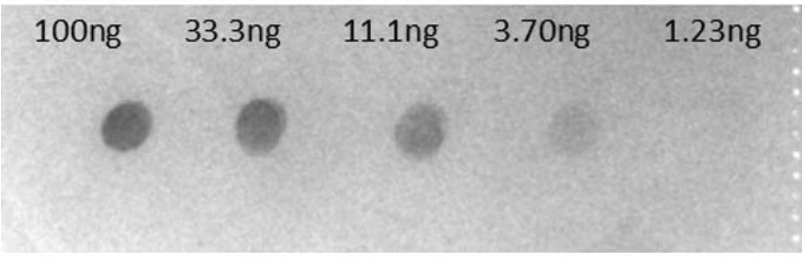
Related Products

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50

Images

1	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.