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Datasheet for 710-1532

F(ab')2 Mouse IgG (H&L) Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed

Overview

Description:	Goat F(ab')2 Anti-Mouse IgG (H&L) Antibody Alkaline Phosphatase Conjugated (Min X Bv Hs Hu Rb Rt & Sh Serum Proteins) - 710-1532
Item No.:	710-1532
Size:	500 µg
Applications:	ELISA
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	F(ab')2 Anti-Mouse IgG (H&L) Alkaline Phosphatase Antibody generated in goat was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab)2 fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)2 fragments penetrate tissue samples and show better antigen recognition and signal generation in IHC. F(ab)2 fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')2 Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.
Synonyms:	Goat F(ab')2 Anti-Mouse IgG Antibody Alkaline Phosphatase Conjugation, Goat Fab2 Anti-Mouse IgG alk phos conjugated Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG F(ab')2

Target Details

Reactivity:	Mouse

Immunogen:	Mouse IgG whole molecule
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse 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, Mouse IgG and Mouse Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c) or Bovine, Horse, Human, Rabbit, Rat and Sheep Serum Proteins.

Application Details

Tested Applications:	ELISA
Application Note:	F(ab')2 Anti-Mouse IgG (H&L) Alkaline Phosphatase Antibody has been tested by ELISA and is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency. This product has been assayed against 1.0 µg of Mouse 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:30,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,500

Formulation

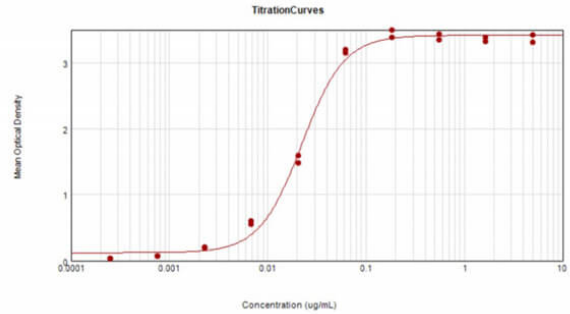
Physical State:	Liquid
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin 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



ELISA
ELISA Results of Goat F(ab')2 Anti-Mouse IgG Antibody Alkaline Phosphatase Min X Bv Hs Hu Rb Rt Sh Serum Proteins. Each well was coated in duplicate with 10 µg of Mouse IgG (p/n 010-0102). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% Fish Gel/PBS Buffer (p/n MB-066) and TMB substrate (p/n TMBE-1000).

Disclaimer

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