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Datasheet for 710-1522

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

Overview

Description:	Goat F(ab')2 Anti-Mouse IgG Fc Antibody Alkaline Phosphatase Conjugated (Min X Bv Hs & Hu Serum Proteins) - 710-1522
Item No.:	710-1522
Size:	500 µg
Applications:	ELISA
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	F(ab')2 Anti-Mouse IgG F(c) Alkaline Phosphatase Antibody was generated in goat and detects specifically Mouse IgG F(c). 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 F(ab')2 Anti-Mouse IgG F(c) Antibody Alkaline Phosphatase Conjugation, Goat Fab2 Anti-Mouse IgG Fc alk phos Conjugated Antibody
Host Species:	Goat
Specificity:	IgG Fc
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG F(ab')2

Target Details

Reactivity:	Mouse
Immunogen:	Mouse IgG F(c) fragment

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, Mouse IgG F(c) and Mouse Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Mouse IgG F(ab) or Bovine, Horse and Human Serum Proteins.

Application Details

Tested Applications:	ELISA
Application Note:	Fab')2 Anti-Mouse IgG F(c) Alkaline Phosphatase Antibody has been tested by ELISA and is 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. 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

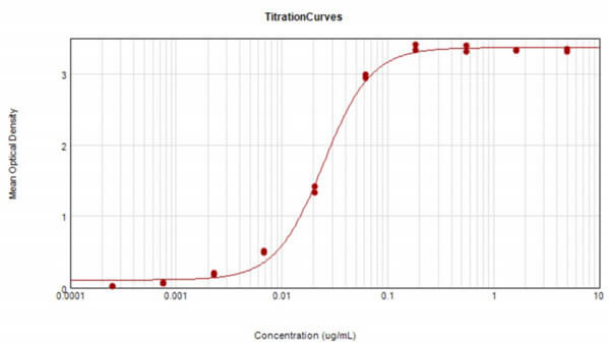
Formulation

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

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 F(ab;)2 Goat Anti-Mouse IgG F(c) Antibody Alkaline Phosphatase Conjugated. Each well was coated in duplicate with 10 µg of Mouse IgG F(c) (p/n 010-0103). The working dilution is 40,700. 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 (p/n MB-066), NPP ELISA Alkaline Phosphatase Substrate (NPP-10), and TMB substrate (p/n TMBE-1000).

Disclaimer

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