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Datasheet for 720-106-440

F(Ab')2 Fragment Of Hamster IgG (H&L) Antibody Biotin Conjugated Pre-Adsorbed

Overview

Description:	Goat F(ab')2 Anti-Golden Syrian & Armenian Hamster IgG (H&L) Antibody Biotin Conjugated (Min X MOUSE and RAT Serum Proteins) - 720-106-440
Item No.:	720-106-440
Size:	500 µg
Applications:	ELISA
Reactivity:	Armenian Hamster, Golden Syrian Hamster
Host Species:	Goat

Product Details

Background:	F(ab')2 Anti-Golden Syrian & Armenian Hamster IgG Biotin Antibody 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-Hamster IgG Antibody Biotin Conjugation, Goat Fab2 Anti-Hamster IgG biotin Conjugated Antibody, Goat F(ab')2 Anti-Golden Syrian & Armenian Hamster IgG Antibody Biotin Conjugation, Goat Fab2 Anti-Golden Syrian & Armenian Hamster IgG biotin Conjugated Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG F(ab')2

Target Details

Reactivity:	Armenian Hamster, Golden Syrian Hamster
Immunogen:	Golden Syrian and Armenian Hamster IgG whole molecules
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Golden Syrian and Armenian Hamster 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-biotin, anti-Goat Serum, Golden Syrian and Armenian Hamster IgG and Golden Syrian and Armenian Hamster Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c) and Mouse or Rat Serum Proteins.

Application Details

Tested Applications:	ELISA
Application Note:	F(ab')2 Anti-Golden Syrian & Armenian Hamster IgG Biotin Antibody has been tested by ELISA and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000 - 1:25,000
IHC:	1:300-1:2000
WB:	1:2,000-1:10,000

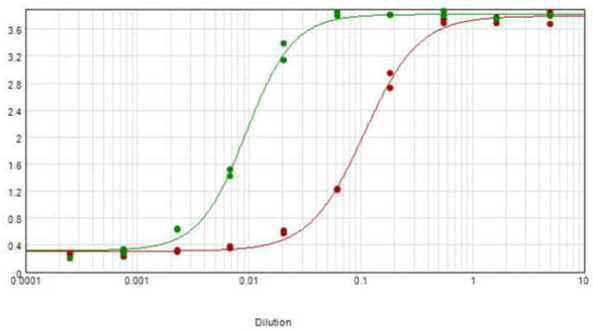
Formulation

Physical State:	Lyophilized
Concentration:	1 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:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	500 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks 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



ELISA
ELISA results of purified F(ab')2 Fragment of GOAT Anti-GOLDEN SYRIAN & ARMENIAN HAMSTER IgG Biotin Conjugated Antibody tested against purified GOLDEN SYRIAN & ARMENIAN HAMSTER IgG . Each well was coated in duplicate with 1.0 µg of antigen. 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 Blocking buffer MB-060-1000, Streptavidin HRP conjugate 1:10,000, and TMB-1000 substrate.

Disclaimer

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