Datasheet for ABIN1044080

Goat anti-Armenian Hamster IgG (Heavy & Light Chain) Antibody (Biotin) - Preadsorbed

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1 Image

Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Golden Syrian Hamster, Armenian Hamster
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Golden Syrian and Armenian Hamster IgG whole molecules
Isotype:	IgG
Fragment:	F(ab')2 fragment
Specificity:	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.
Purification:	Preadsorption: Solid phase absorption

Target Details

Target:	IgG

Target Details

Abstract:	IgG Products
Target Type:	Antibody
Background:	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 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.

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:300-1:2000 Application Note: This product 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. ELISA Dilution: 1:5000-1:25,000 Western Blot Dilution: 1:2,000-1:10,000
Restrictions:	For Research Use only

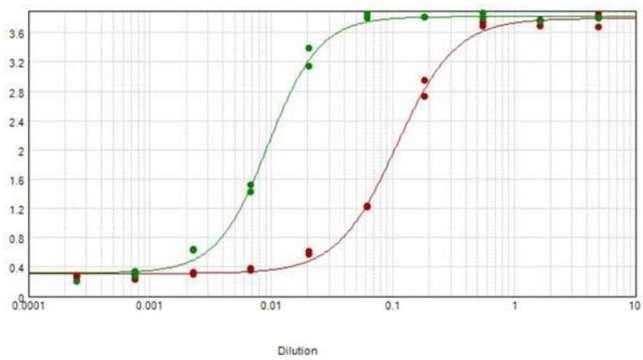
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 500 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing. Dilute only prior to immediate use
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at 4 °C prior to opening. This product is stable at 4 °C as an undiluted liquid. For extended storage, mix with an equal volume of glycerol, aliquot contents and freeze at -24 °C or below.
Expiry Date:	12 months

Images



ELISA

Image 1. 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.