Datasheet for ABIN965321

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

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Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Goat
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Goat IgG whole molecule
Isotype:	IgG
Fragment:	Fab fragment
Specificity:	Fab Anti-Goat IgG (H&L)Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin and anti-Donkey Serum.
Characteristics:	Fab Anti-Goat IgG antibody is ideal for investigators involved in serum component research. The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, papain digestion and chromatographic separation.
Purification:	Preadsorption: Solid phase absorption

Product Details

Labeling Ratio:	10-20

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: Donkey Fab Anti-Goat IgG Biotin Conjugated Antibody, Donkey Fab Fragment Anti-Goat IgG Antibody Biotin Conjugation Background: Fab Anti-Goat IgG Antibody generated in donkey detects goat IgG. This product possesses the F(ab) region possessing the epitope-recognition site, both heavy and light chains of the antibody molecule are present. 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.

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:1,000 - 1:5,000 Application Note: Fab Anti-Goat IgG antibody is suitable for immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. Specific conditions for reactivity should be optimized by the end user. ELISA Dilution: 1:600,000 Western Blot Dilution: 1:5,000 - 1:20,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

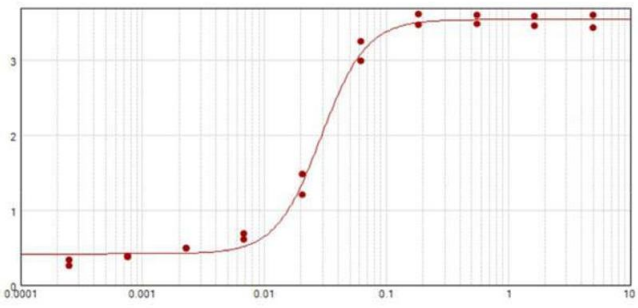
Handling

	Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide
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 cycles of freezing and thawing. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. Store the vial at -20 °C or below after dilution.
Expiry Date:	12 months

Publications

Product cited in:	Rowe, León, Crevar, Carter, Xu, Ran, Fang, Cameron, Cameron, Banner, Ng, Ran, Weirback, Wiley, Kelvin, Ross: "Modeling host responses in ferrets during A/California/07/2009 influenza infection." in: **Virology**, Vol. 401, Issue 2, pp. 257-65, (2010) (PubMed).

Images



ELISA

Image 1. ELISA results of purified Donkey Fab Anti-Goat IgG Antibody Biotin Conjugated tested against purified Goat IgG. Each well was coated in duplicate with 1.0 µg of Goat IgG. 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 , Streptavidin-HRP conjugated , and TMB substrate .