

Datasheet for ABIN965117

Goat anti-Human IgG (Fc Region) Antibody (Biotin) - Preadsorbed

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1 Image

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Human IgG F(c) fragment
Isotype:	IgG
Fragment:	F(ab') ₂ fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum, Human IgG, Human IgG F(c) and Human Serum.
Purification:	Preadsorption: Solid phase absorption

Target Details

Target:	IgG
Abstract:	IgG Products

Target Details

Target Type:	Antibody
Background:	<p>Synonyms: Goat F(ab')₂ Anti-Human IgG F(c) Antibody Biotin Conjugated Pre-Adsorbed, Goat Fab₂ Anti-Human IgG Fc Fragment Biotin Conjugated Antibody, Goat F(ab')₂ Anti-Human IgG F(c) Fragment Biotin Conjugated Antibody</p> <p>Background: F(ab')₂ Anti-Human IgG F(c) Biotin Antibody generated in goat detects Human F(c). Representing approximately 75 % of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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. F(c) Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.</p>

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:1,000 - 1:5,000</p> <p>Application Note: F(ab')₂ Anti-Human IgG F(c) Biotin Antibody has been assayed against 1.0 µg of Human IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:12,000 to 1:50,000 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.</p> <p>ELISA Dilution: 1:125,000 - 1:175,000</p> <p>Western Blot Dilution: 1:2,000 - 1:10,000</p>
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 1.0 mL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>

Handling

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.

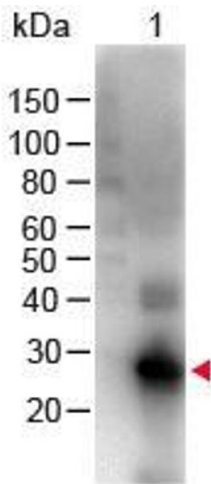
Handling Advice: Avoid cycles of freezing and thawing.
This vial contains a relatively low volume of reagent (25 μ L). To minimize loss of volume dilute 1:10 by adding 225 μ L of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom 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

Images



Western Blotting

Image 1. Western Blot of Goat anti-F(ab')₂ Human IgG F(c) Antibody Biotin Conjugated Pre-Adsorbed Lane 1: Human Fc Load: 100 ng per lane Primary Antibody: F(ab')₂ Human IgG F(c) Antibody Biotin Conjugated Pre-Adsorbed at 1:1000 for 60 min RT Secondary antibody: HRP Conjugated Streptavidin at 1:40,000 for 30 min at RT Block: ABIN925618 for 30 min at RT Predicted/Observed Size: 28 kDa/28 kDa