

Datasheet for ABIN965179

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

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1 Image

Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Mouse 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, Mouse IgG, Mouse IgG F(c) and Mouse Serum.
Purification:	Preadsorption: Solid phase absorption

Target Details

Target:	IgG
Abstract:	IgG Products

Target Details

Target Type: Antibody

Background: Synonyms: Goat F(ab')₂ Anti-Mouse IgG F(c) Antibody Biotin Conjugation, Goat Fab2 Anti-Mouse IgG Fc Biotin Conjugated Antibody

Background: F(ab')₂ Anti-Mouse IgG F(c) Biotin 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.

Application Details

Application Notes: Immunohistochemistry Dilution: 1:1,000 - 1:5,000

Application Note: This product has been assayed against 1.0 µg of Mouse IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 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.

ELISA Dilution: 1:20,000 - 1:100,000

Western Blot Dilution: 1:2,000 - 1:10,000

Comment: Post Translational Modification: Phosphorylation

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 500 µL

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

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

Handling

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. Store the vial at -20 °C or below after dilution.

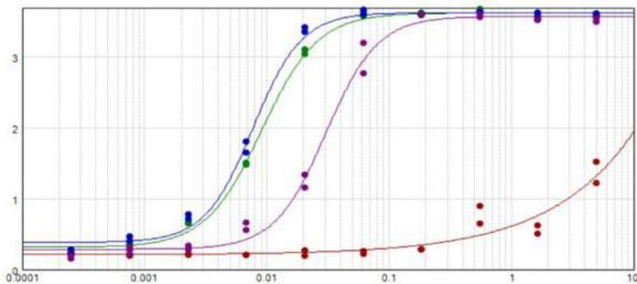
Storage:

RT,4 °C,-20 °C

Expiry Date:

12 months

Images



ELISA

Image 1. ELISA results of purified Goat F(ab')₂ Anti-MOUSE IgG F(c) Antibody Biotin Conjugated Min X Bv Hs & Hu Serum Proteins tested against purified Mouse IgG F(c) (Green Line). Each well was coated in duplicate with 1.0 μ g of Mouse IgG F(c). The starting dilution of antibody was 5 μ g/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 .