

Datasheet for ABIN965223

Goat anti-Rabbit IgG (Fc Region) Antibody (Biotin)[Go to Product page](#)**1** Image

Overview

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

Product Details

Immunogen:	Immunogen: Rabbit 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, Rabbit IgG, Rabbit IgG F(c) and Rabbit Serum.
Purification:	F(ab') fragment biotin conjugated secondary antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit 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, Rabbit IgG, Rabbit IgG F(c) and Rabbit Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c) or Rabbit IgG F(ab).

Product Details

Sterility: Sterile filtered

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

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

Background: F(ab')₂ Anti-Rabbit IgG F(c) Biotin Antibody was generated in goat and detects specifically Rabbit 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 Rabbit 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 1:12,000 to 1:60,000 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

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

Handling

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

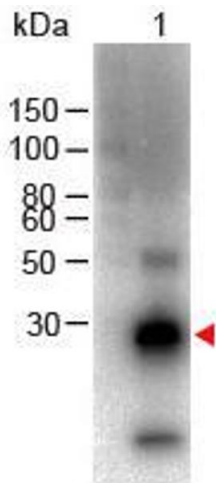
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid cycles of freezing and thawing.

Storage: RT, 4 °C, -20 °C

Expiry Date: 12 months

Images



Western Blotting

Image 1. Western Blot of Goat anti-F(ab')₂ Rabbit IgG F(c) Antibody Biotin Conjugated Lane 1: Rabbit Fc Load: 100 ng per lane Primary antibody: F(ab')₂ Rabbit IgG F(c) Antibody Biotin Conjugated at 1:1000 for overnight at 4°C Secondary antibody: HRP Streptavidin at 1:40,000 for 30 min at RT Block: ABIN925618 for 30 min RT Predicted/Observed size: 28 kDa, 28 kDa