

Datasheet for ABIN965255

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

## Overview

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

## Product Details

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

## Target Details

Target:	IgG
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## Target Details

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Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody
Background:	<p>Synonyms: Goat F(ab')<sub>2</sub> Anti-Rat IgG F(c) Biotin Conjugated Antibody, Goat Fab2 Anti-Rat IgG Fc Antibody Biotin Conjugation</p> <p>Background: F(ab')<sub>2</sub> Anti-Rat IgG F(c) Biotin Antibody was generated in goat and detects specifically Rat 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.</p>

## Application Details

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Application Notes:	<p>Immunohistochemistry Dilution: 1:1,000 - 1:5,000</p> <p>Application Note: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency. This product has been assayed against 1.0 µg of Rat 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 1:15,000 to 1:90,000 of the reconstitution concentration is suggested for this product.</p> <p>ELISA Dilution: 1:20,000 - 1:100,000</p> <p>Western Blot Dilution: 1:2,000 - 1:10,000</p>
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 500 µL</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> <p>Preservative: 0.01 % (w/v) Sodium Azide</p>
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.

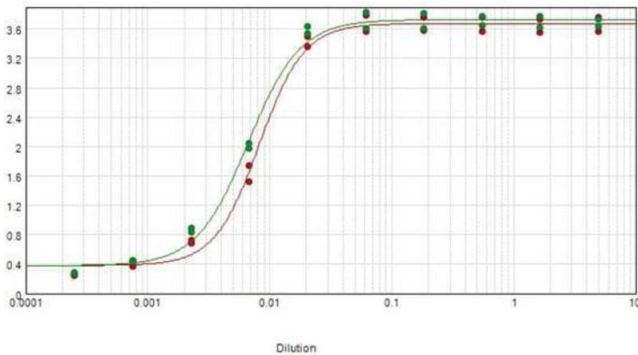
Handling Advice: Avoid cycles of freezing and thawing.

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vial at -20 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. This product is stable for several weeks at 0 °C as an undiluted liquid.

Expiry Date: 12 months

## Images



### ELISA

**Image 1.** ELISA results of purified Goat F(ab')<sub>2</sub> Anti-Rat IgG F(c) Biotin Conjugated Antibody (Min X Bv Hs & Hu serums) tested against purified Rat IgG F(c). Each well was coated in duplicate with 1.0 µg of Rat IgG F(c) (red line). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using Blocking buffer MB-060-1000, Streptavidin HRP conjugate, and TMB-1000 substrate.