

Datasheet for ABIN965249

**Goat anti-Rat IgG (Heavy & Light Chain) Antibody (FITC) -  
Preadsorbed**[Go to Product page](#)**1** Image

## Overview

Quantity:	0.5 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

## Product Details

Immunogen:	Immunogen: Rat IgG whole molecule
Isotype:	IgG
Fragment:	F(ab') <sub>2</sub> fragment
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	5.3

## Target Details

Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody

## Target Details

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Background:	<p>Synonyms: Goat F(ab')<sub>2</sub> Anti-Rat IgG Fluorescein Conjugated Antibody, Goat F(ab')<sub>2</sub> Anti-Rat IgG Antibody FITC Conjugation</p> <p>Background: F(ab')<sub>2</sub> Anti-Rat IgG (H&amp;L) Antibody generated in goat detects rat IgG.</p> <p>Representing approximately 75 % of serum immunoglobulins, 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(ab')<sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunofluorescence, IHC, and other immunoassays. This F(ab')<sub>2</sub> Anti-Rat IgG Antibody is conjugated to fluorescein.</p>
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## Application Details

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Application Notes:	<p>Application Note: This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.</p> <p>FLISA Dilution: 1:10,000 - 1:50,000</p> <p>Flow Cytometry Dilution: 1:500 - 1:2,500</p> <p>IF Microscopy Dilution: 1:1,000 - 1:5,000</p>
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Comment:	Excitation/Emission wavelength: 494 nm/514 nm
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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
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Reconstitution:	Reconstitution Volume: 1.0 mL
	Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration:	0.5 mg/mL
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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
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## Handling

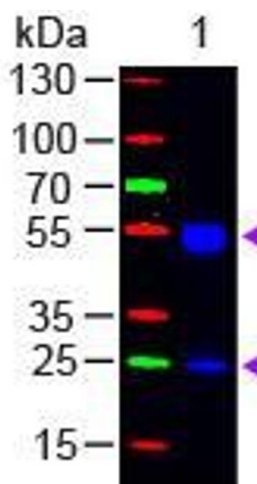
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Product is photosensitive and should be protected from light.

Storage: RT, 4 °C, -20 °C

Expiry Date: 12 months

## Images



### Western Blotting

**Image 1.** Western Blot of Goat anti-F(ab')<sub>2</sub> Rat IgG (H&L) Antibody Fluorescein Conjugated Pre-Adsorbed Lane 1: Rat IgG Load: 50 ng per lane Secondary antibody: F(ab')<sub>2</sub> Rat IgG (H&L) Antibody Fluorescein Conjugated Pre-Adsorbed at 1:1,000 for 60 min at RT Block: ABIN925618 for 30 min at RT Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa