

Datasheet for ABIN102044

**Goat anti-Rabbit IgG (F(ab')<sub>2</sub> Region) Antibody (FITC) -  
Preadsorbed**[Go to Product page](#)**1** Image

## Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	F(ab') <sub>2</sub> Region
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

## Product Details

Immunogen:	Immunogen: Rabbit IgG F(ab') <sub>2</sub> fragment
Isotype:	IgG
Specificity:	IgG F(ab') <sub>2</sub>
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	5.3

## Target Details

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

## Target Details

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Target Type:	Antibody
Background:	<p>Synonyms: Goat Anti-Rabbit IgG F(ab')<sub>2</sub> Antibody fluorescein Conjugation, Goat Anti-Rabbit IgG Fab<sub>2</sub> fluorescein Conjugated Antibody, Goat Anti-Rabbit IgG Fab<sub>2</sub> Fragment FITC Conjugated Antibody</p> <p>Background: Anti-Rabbit IgG F(ab')<sub>2</sub> Antibody generated in goat recognizes the dimeric Fab portion of the rabbit IgG molecule. Rabbit IgG F(ab')<sub>2</sub> is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH . F(ab')<sub>2</sub> Molecules lack the Fc portion of IgG and therefore receptors that bind Rabbit IgG F(c) will not bind rabbit IgG F(ab')<sub>2</sub> Molecules.</p> <p>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. This Anti-Rabbit IgG F(ab')<sub>2</sub> Antibody is conjugated to Fluorescein.</p>

## 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.</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>
Comment:	Excitation/Emission wavelength: 494 nm/514 nm
Restrictions:	For Research Use only

## Handling

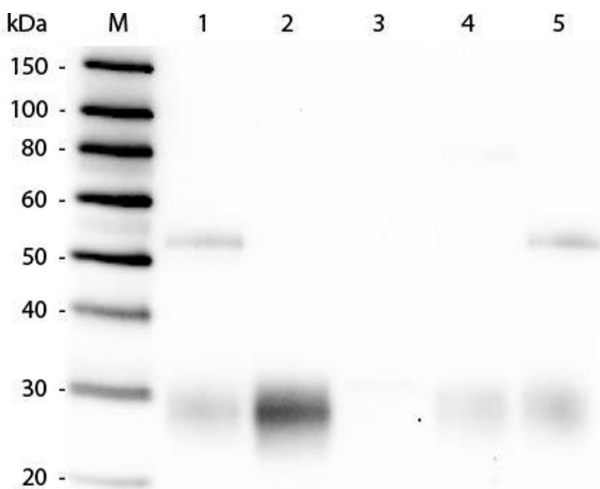
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Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	2.0 mg/mL
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Thimerosal

## Handling

Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): 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 Anti-Rabbit IgG F(ab')<sub>2</sub> (GOAT) Antibody . Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule . Lane 2: Rabbit IgG F(ab) Fragment . Lane 3: Rabbit IgG F(c) Fragment . Lane 4: Rabbit IgM Whole Molecule . Lane 5: Normal Rabbit Serum . All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG F(ab')<sub>2</sub> (GOAT) Antibody 1:10,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Obsevered Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.