



Datasheet for ABIN965215

Goat anti-Rabbit IgG (Heavy & Light Chain) Antibody (FITC) - Preadsorbed



[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Rabbit IgG whole molecule
Isotype:	IgG
Fragment:	F(ab') ₂ fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum, Rabbit IgG and Rabbit Serum.
Characteristics:	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.
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	4.1

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>Synonyms: Goat F(ab')₂ Anti-Rabbit IgG Fluorescein Conjugated Antibody, Goat Fab2 Anti-Rabbit IgG Antibody FITC Conjugation</p> <p>Background: F(ab')₂ Anti-Rabbit IgG (H&L) Antibody generated in goat detects rabbit IgG. 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')₂ Antibody is ideal for investigators who routinely perform flow cytometry, immunofluorescence, IHC, and other immunoassays. This F(ab')₂ Anti-Rabbit IgG Antibody is conjugated to fluorescein.</p>

Application Details

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
Restrictions:	For Research Use only

Handling

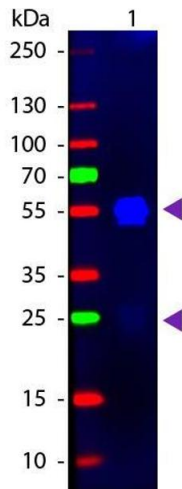
Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 500 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL

Handling

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 should be handled by trained staff only.
Handling Advice:	Product is photosensitive and should be protected from light. 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

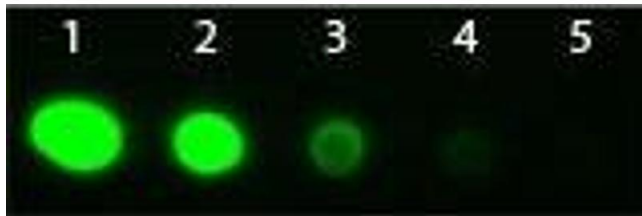
Publications

Product cited in:	<p>Scholzen, Solursh, Suzuki, Reiter, Morgan, Buchberg, Siracusa, Iozzo: "The murine decorin. Complete cDNA cloning, genomic organization, chromosomal assignment, and expression during organogenesis and tissue differentiation." in: The Journal of biological chemistry, Vol. 269, Issue 45, pp. 28270-81, (1994) (PubMed).</p> <p>Danielson, Fazio, Cohen, Cannizzaro, Eichstetter, Iozzo: "The human decorin gene: intron-exon organization, discovery of two alternatively spliced exons in the 5' untranslated region, and mapping of the gene to chromosome 12q23." in: Genomics, Vol. 15, Issue 1, pp. 146-60, (1993) (PubMed).</p> <p>Vetter, Vogel, Just, Young, Fisher: "Human decorin gene: intron-exon junctions and chromosomal localization." in: Genomics, Vol. 15, Issue 1, pp. 161-8, (1993) (PubMed).</p>
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Western Blotting

Image 1. Western blot of Fluorescein conjugated Goat F(ab')₂ Anti-Rabbit IgG Pre-Adsorbed secondary antibody. Lane 1: Rabbit IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Fluorescein goat secondary antibody at 1:1,000 for 60 min at RT. Blocking: ABIN925618 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Rabbit IgG. Other band(s): None.



Dot Blot

Image 2. Dot Blot of Goat Fab₂ anti-Rabbit IgG Antibody Fluorescein Conjugated Pre-Absorbed. Antigen: Rabbit IgG. Load: Lane 1 - 100 ng Lane 2 - 33.3 ng Lane 3 - 11.1 ng Lane 4 - 3.70 ng Lane 5 - 1.23 ng. Primary antibody: n/a. Secondary antibody: Goat Fab₂ anti-Rabbit IgG Antibody Fluorescein Conjugated Pre-Absorbed at 1:1,000 for 1 HR at RT. Block: ABIN925618 for 1 HR at RT.