

Datasheet for ABIN965056

## Goat anti-Guinea Pig IgG (Heavy & Light Chain) Antibody (FITC) - Preadsorbed



[Go to Product page](#)

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 1 mg   |
| Target:              | IgG  |
| Binding Specificity: | Heavy & Light Chain  |
| Reactivity:          | Guinea Pig   |
| Host:                | Goat   |
| Clonality:           | Polyclonal   |
| Conjugate:           | FITC   |
| Application:         | Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM) |

### Product Details

|                  |   |
|------------------|---|
| Immunogen:       | Immunogen: Guinea Pig IgG whole molecule  |
| Isotype:         | IgG   |
| Fragment:        | F(ab') <sub>2</sub> fragment  |
| Specificity:     | Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum, Guinea Pig IgG and Guinea Pig 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   |
| Sterility:       | Sterile filtered  |

## Product Details

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Labeling Ratio: 1.7

## Target Details

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Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: Goat F(ab')<sub>2</sub> Anti-Guinea Pig IgG Antibody Fluorescein Conjugation, Goat Fab2 Anti-Guinea Pig IgG FITC Conjugated Antibody

Background: F(ab')<sub>2</sub> Anti-Guinea Pig IgG Fluorescein Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab)<sub>2</sub> fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)<sub>2</sub> fragments penetrate tissue samples and show better antigen recognition and signal generation in IHC. F(ab)<sub>2</sub> fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')<sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

## Application Details

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Application Notes: 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. Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.

FLISA Dilution: 1:10,000 - 1:50,000

Flow Cytometry Dilution: 1:500 - 1:2,500

IF Microscopy Dilution: 1:1,000 - 1:5,000

Comment: Excitation/Emission wavelength: 494 nm/514 nm

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

## Handling

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|                    |   |
|--------------------|---|
| Reconstitution:    | Reconstitution Volume: 1.0 mL<br>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<br>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free<br>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.<br>Avoid cycles of freezing and thawing.<br>This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. |
| Storage:           | RT, 4 °C, -20 °C  |
| Storage Comment:   | Store vial at -20 °C or below prior to opening. Store the vial at -20 °C or below after dilution.   |
| Expiry Date:       | 12 months   |