

Datasheet for ABIN965047

## Donkey anti-Goat IgG (Heavy & Light Chain) Antibody - Preadsorbed



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### 2 Images

#### Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Goat
Host:	Donkey
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Dot Blot (DB)

#### Product Details

Purpose:	F(ab') <sub>2</sub> Goat IgG (H&L) Antibody Pre-Adsorbed
Immunogen:	Optional[Immunogen]: Goat IgG whole molecule
Isotype:	IgG
Fragment:	F(ab') <sub>2</sub> fragment
Cross-Reactivity (Details):	Minimal crossreactivity against Ch GP Ham Hs Hu Ms Rb & Rt Serum Proteins Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Donkey Serum, Goat IgG and Goat Serum. No reaction was observed against anti-Pepsin, anti-Donkey IgG F(c) or Chicken, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit and Rat Serum Proteins.
Characteristics:	F(ab') <sub>2</sub> Anti-Goat IgG Rhodamine Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any

## Product Details

unwanted reactivities, pepsin digestion and chromatographic separation.

Sterility: Sterile filtered

## Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Because of their smaller size, F(ab)2 fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)2 fragments penetrate into tissue samples and show better antigen recognition and signal generation in IHC. F(ab)2 fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')2 Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

## Application Details

Application Notes: Application Note: F(ab')2 Anti-Goat IgG Antibody has been tested by dot blot and is 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. The maximum amount of reagent required to stain 1 x 10E6 cells in flow cytometry is approximately 1.0 µg of antibody. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications. Immunohistochemistry Dilution: 1:1,000 - 1:5,000 Western Blot Dilution: 1:2,000 - 1:10,000 ELISA Dilution: 1:20,000 - 1:100,000 Other: User Optimized

Restrictions: For Research Use only

## Handling

Format: Liquid

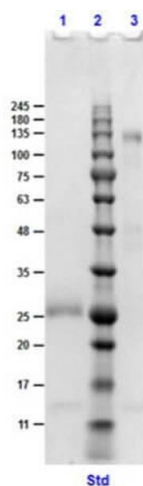
Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  
Stabilizer: None  
, Preservative: 0.01 % (w/v) Sodium Azide

Handling

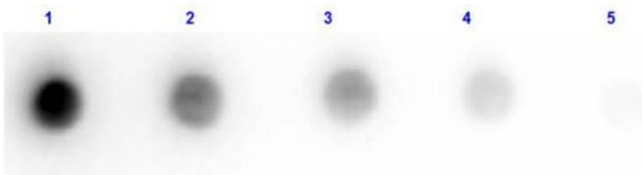
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

Images



SDS-PAGE

**Image 1.** SDS PAGE Results of F(ab')<sub>2</sub> Anti-GOAT IgG (DONKEY) Antibody. Lane 1: Fab2 Dk-a-Gt IgG Mx8 Reduced [1.0 µg]. Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: Fab2 Dk-a-Gt IgG Mx8 Non-Reduced [1.0 µg]. 4-20 % Gel, Coomassie Stained.



Dot Blot

**Image 2.** Dot Blot Results of F(ab')<sub>2</sub> Donkey Anti-GOAT IgG [H&L] Antibody Min X Ch, GP, Ham, Hs, Hu, Ms, Rb, Rt Serum Proteins. Goat IgG (1) 100 ng, (2) 33.33 ng, (3) 11.11 ng, (4) 3.70 ng, (5) 1.23 ng. Primary Antibody: F(ab')<sub>2</sub> Dk-a-Gt IgG Mx8 at 1 µg/mL for 1hr at RT. Secondary Antibody: Goat Anti-Donkey HRP at 1:40,000 for 30 mins at RT. Block: BlockOut Buffer (p/n MB-073) for 30 mins at RT. Exposure: 1 sec.