

Datasheet for ABIN965218

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

[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	HRP
Application:	Flow Cytometry (FACS), Immunomicroscopy (IM)

#### Product Details

Immunogen:	Anti-Rabbit IgG was produced by repeated immunization with Rabbit IgG whole molecule in goat. Immunogen Type: Native Protein
Fragment:	F(ab') <sub>2</sub> fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Rabbit IgG and Rabbit Serum.
Characteristics:	F(ab') <sub>2</sub> Rabbit IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed 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 into tissue samples and show better antigen recognition and signal generation in IHC. F(ab) <sub>2</sub>

## Product Details

---

fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')<sub>2</sub> Rabbit IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Purification: Preadsorption: Solid phase absorption

## Target Details

---

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: Rabbit F(ab')<sub>2</sub> Antibody, Gt-a-Rabbit F(ab')<sub>2</sub> conjugated, Rabbit F(ab')<sub>2</sub> Peroxidase Antibody in goat, Rabbit F(ab')<sub>2</sub> Peroxidase conjugated Secondary Antibody.

## Application Details

---

Application Notes: 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  $1 \times 10^6$  cells in flow cytometry is approximately 1.0 µg of antibody conjugate. 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 1:500 should be suitable for most applications.

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

Reconstitution: Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 500 µL

Concentration: 1.0 mg/mL

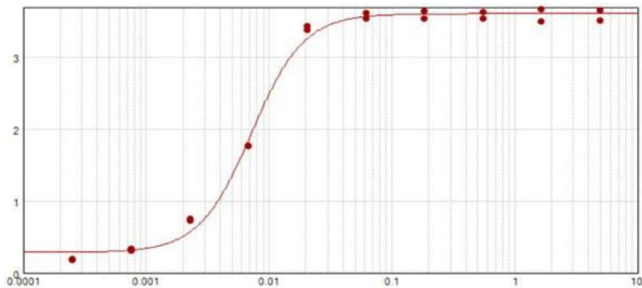
Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Preservative: Gentamicin sulfate

## Handling

Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -24 °C or below. This product is stable for several weeks at 4 °C as an undiluted liquid.
Expiry Date:	12 months

## Images



### ELISA

**Image 1.** ELISA results of purified Goat F(ab')<sub>2</sub> Anti-Rabbit IgG Antibody Peroxidase Conjugated Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins tested against purified Rabbit IgG. Each well was coated in duplicate with 1.0 µg of Rabbit IgG. The starting dilution of antibody was 5 µg/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using Blocking buffer and TMB substrate .