

Datasheet for ABIN129766

Goat anti-Rat IgG (Heavy & Light Chain) Antibody (PE) - Preadsorbed

[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|---|
| Quantity: | 1 mL |
| Target: | IgG |
| Binding Specificity: | Heavy & Light Chain |
| Reactivity: | Rat |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | PE |
| Application: | Flow Cytometry (FACS), Fluorescence Microscopy (FM) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Immunogen: Anti-Rat IgG whole molecule was produced by repeated immunization with Rat IgG whole molecule in goat. Immunogen Type: Native Protein |
| Isotype: | IgG |
| Specificity: | IgG (H&L) |
| Cross-Reactivity: | Rat (Rattus) |
| Characteristics: | Anti-Rat IgG whole molecule antibody generated in goat detects specifically Rat IgG whole molecule. This secondary antibody anti-Rat is ideal for investigators who routinely perform immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels. Concentration Definition: by absorbance = 82.0 at 565 nm |

Product Details

Purification: Preadsorption: Solid phase absorption

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: Goat Anti-Rat IgG phycoerythrin Conjugated Antibody, Goat Anti-Rat IgG Antibody PE Conjugation

Background: Anti-Rat IgG whole molecule antibody generated in goat detects specifically Rat IgG whole molecule. This secondary antibody anti-Rat is ideal for investigators who routinely perform immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels.

Application Details

Application Notes: Application Note: 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 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 1:250 should be suitable for most applications.

Flow Cytometry Dilution: 1:100 - 1:250

IF Microscopy Dilution: 1:100 - 1:250

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 1.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration: 0.5 mg/mL

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

Handling

Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

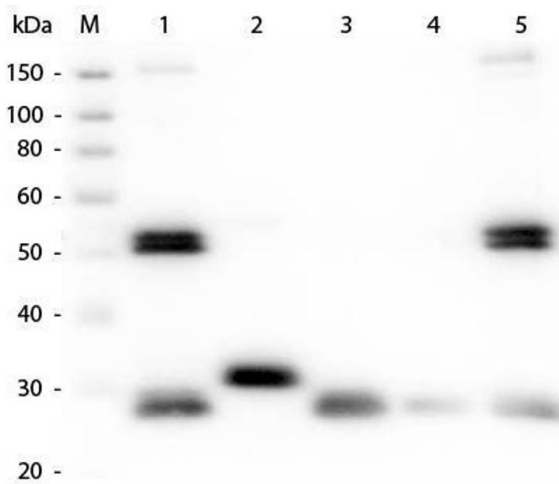
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Product is photosensitive and should be protected from light.

Storage: RT,4 °C

Expiry Date: 12 months

Images



Western Blotting

Image 1. Western Blot of Anti-Rat IgG (H&L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) . Lane M: 3 µl Molecular Ladder. Lane 1: Rat IgG whole molecule . Lane 2: Rat IgG F(c) Fragment . Lane 3: Rat IgG Fab Fragment . Lane 4: Rat IgM Whole Molecule . Lane 5: Rat Serum . All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rat IgG (H&L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) 1:1,000 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/Observed Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.