

Datasheet for ABIN2669887

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

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1 Image

Overview

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

Product Details

Immunogen:	Immunogen: F(ab') ₂ anti-Mouse IgG (H&L) was produced by repeated immunization with Mouse IgG whole molecule in goat.
Isotype:	IgG
Fragment:	F(ab') ₂ fragment
Specificity:	F(ab') ₂ Anti-MOUSE IgG (H&L) (GOAT) Antibody
Cross-Reactivity:	Mouse (Murine)
Characteristics:	F(ab') ₂ anti-Mouse IgG (H&L) antibody generated in goat detects specifically Mouse IgG whole molecule. This secondary antibody anti-Mouse is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays. The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove

Product Details

any unwanted reactivities, pepsin digestion and chromatographic separation. F(ab')₂ Anti-MOUSE IgG (H&L) (GOAT) Antibody assays by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Goat Serum, Mouse IgG and Mouse Serum.

Purification: Preadsorption: Solid phase absorption

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: Goat F(ab')₂ Anti-Mouse IgG Antibody Phycoerythrin Conjugation, Goat Fab2 Anti-Mouse IgG PE conjugated Antibody
Background: F(ab')₂ Anti-Mouse IgG (H&L) Antibody was generated in goat and detects specifically Mouse IgG. 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.

Application Details

Application Notes: Application Note: F(ab')₂ anti-Mouse IgG (H&L) antibody 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 10⁶ 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

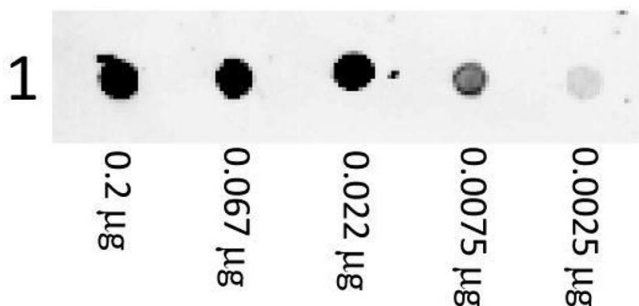
Handling

Format: Lyophilized

Handling

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 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
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



Western Blotting

Image 1. Dot Blot showing the detection of Mouse IgG. A three-fold serial dilution of Mouse IgG starting at 200ng was spotted onto 0.45 µm nitrocellulose. After blocking in 5% Blotto (p/n B501-0500) 1 Hour at 20°C, F(ab')₂ Anti-Mouse IgG (H&L) (GOAT) Antibody Phycoerythrin conjugated Min X By Hm, Hs, Hu, Rb, Rt, & Sh Serum Proteins (p/n 710-1832) secondary antibody was used at 1:1000 in Blocking Buffer for Fluorescent Western Blotting (p/n MB-070) and imaged using the Bio-Rad VersaDoc® 4000 MP.