

Datasheet for ABIN2669886

Goat anti-Mouse IgG (F(ab')₂ Region) Antibody (PE) - Preadsorbed

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Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	F(ab') ₂ Region
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	PE
Application:	Western Blotting (WB), Flow Cytometry (FACS), Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Mouse IgG F(ab') ₂ fragment
Isotype:	IgG
Fragment:	F(ab') ₂ fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Goat Serum, Mouse IgG, Mouse IgG F(ab') ₂ and Mouse Serum.
Cross-Reactivity:	Mouse (Murine)
Purification:	Preadsorption: Solid phase absorption

Target Details

Target:	IgG
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Target Details

Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>Synonyms: Goat F(ab')₂ Anti-Mouse IgG F(ab')₂ Antibody phycoerythrin Conjugation, Goat Fab2 Anti-Mouse IgG Fab2 PE Conjugated Antibody</p> <p>Background: F(ab')₂ Anti-Mouse IgG F(ab')₂ Phycoerythrin Antibody generated in goat detects Mouse F(ab')₂. Representing approximately 75 % of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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. F(ab')₂ Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.</p>

Application Details

Application Notes:	<p>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.</p> <p>Flow Cytometry Dilution: 1:100 - 1:250</p> <p>Western Blot Dilution: 1:100 - 1:500</p> <p>IF Microscopy Dilution: 1:100 - 1:250</p>
Comment:	Post Translational Modification: Phosphorylation
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

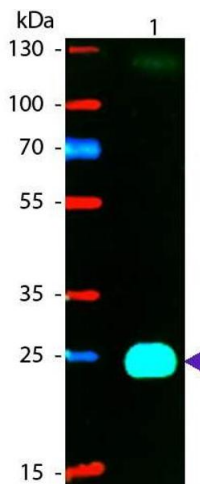
Handling

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. 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. Store the vial at -20 °C or below after dilution.
Storage:	RT, 4 °C
Expiry Date:	6 months

Publications

Product cited in:	Rappa, Anzanello, Lorico: "Ethanol induces upregulation of the nerve growth factor receptor CD271 in human melanoma cells via nuclear factor-κB activation." in: Oncology letters , Vol. 10, Issue 2, pp. 815-821, (2015) (PubMed).
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Images



Western Blotting

Image 1. Western blot of Phycoerythrin conjugated Goat F(ab')₂ Anti-Mouse IgG F(ab')₂ Pre-Adsorbed secondary antibody. Lane 1: Mouse Fab2. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Phycoerythrin goat secondary antibody at 1:1,000 for 60 min at RT. Blocking: ABIN925618 for 30 min at RT. Predicted/Observed size: 25 kDa, 25 kDa for Mouse IgG F(ab')₂. Other band(s): None.