Datasheet for ABIN2669879

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

2 Images

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Overview

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

Product Details

Immunogen:	Immunogen: Anti-Goat IgG was produced by repeated immunization with goat IgG whole molecule in donkey. Immunogen Type: Native Protein
Isotype:	IgG
Fragment:	F(ab')2 fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Donkey Serum, Goat IgG and Goat Serum.
Cross-Reactivity:	Goat
Characteristics:	Anti-Goat F(ab')2 phycoerythrin conjugated antibody generated in donkey detects specifically Goat IgG (H&L). This secondary phycoerythrin conjugated antibody anti-Goat is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and

Product Details

	more generally immunoassays. Anti-Goat F(ab')2 phycoerythrin conjugated antibody generated in donkey detects specifically Goat IgG (H&L). This secondary phycoerythrin conjugated antibody anti-Goat is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays.
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	4.74

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: Donkey F(ab')2 Anti-Goat IgG Antibody Phycoerythrin Conjugation, Donkey Fab2 Anti-Goat IgG PE Conjugated Antibody Background: F(ab')2 Anti-Goat IgG Phycoerythrin Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. 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 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

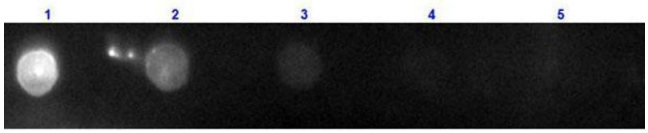
Application Notes:	Application Note: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount 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. FLISA Dilution: User Optimized Flow Cytometry Dilution: 1:100 - 1:250

Application Details

	Western Blot Dilution: User Optimized 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 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
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



Dot Blot

Image 1. Dot Blot results of Donkey F(ab')2 Anti-Goat IgG Antibody Phycoerythrin Conjugated. Dots are Goat IgG at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Blocking: ABIN925618 for 30 min at RT. Primary Antibody: none. Secondary Antibody: Donkey F(ab')2 Anti-Goat IgG Antibody RPE at 1µg/mL for 1hr at RT. Imaged with BioRad ChemiDoc, Rhodamine filter.

Dot Blot

Image 2. Dot Blot of F(ab')2 Donkey anti-Goat IgG Phycoerythrin Conjugated Min X Ch, GP, Ham, Hs, Hu, Ms, Rb, & Rt serum proteins antibody. Antigen: Goat IgG. Load: 100 ng, 33.3 ng, 11.1 ng, 3.7 ng, or 1.23 ng as indicated. Primary antibody: N/A. Secondary antibody: F(ab')2 Donkey anti-Goat IgG Phycoerythrin Conjugated Min X Ch, GP, Ham, Hs, Hu, Ms, Rb, & Rt serum proteins antibody at 1:1,000 for 60 min at RT. Block: Blocking Buffer for Fluorescent Western Blotting (ABIN925618) for 60 min at RT.