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F(ab')2 Anti-HUMAN IgG F(c) (Pre-adsorbed Phycoerythrin Conjugated) Secondary Antibody

Goat Polyclonal, R-Phycoerythrin (RPE)
Catalog # ASR3188

Product Information

Description	F(ab')2 Anti-HUMAN IgG F(c) (GOAT) Antibody Phycoerythrin conjugated Min X Bv Hs Ms & Rt Serum Proteins
Host	Goat
Conjugate	R-Phycoerythrin (RPE)
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB
Physical State	Lyophilized
Host Isotype	IgG F(ab')2
Target Isotype	IgG F(c)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-Human IgG was produced by repeated immunization with Human IgG F(c) fragment in goat.
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

Additional Information

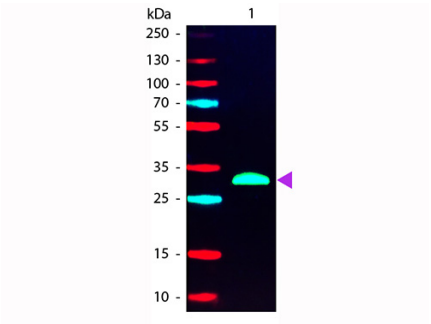
Shipping Condition	Ambient
Application Note	Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum 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.
Purity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Goat Serum, Human IgG, Human IgG F(c) and Human Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Human IgG F(ab')2 or Bovine, Horse and Mouse Serum Proteins.

Storage Condition	Store vial at 4° C prior to opening. Dilute only prior to immediate use. Do not freeze after reconstitution. Store reagent in the dark. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

F(ab')2 HUMAN IgG F(c) (Pre-Adsorbed) Phycoerythrin Conjugated 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 into 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 HUMAN IgG F(c) (Pre-Adsorbed) Phycoerythrin Conjugated Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Images



Western blot of Phycoerythrin conjugated Goat F(ab')2 Anti-Human IgG F(c) (Pre-Adsorbed) secondary antibody. Lane 1: Human Fc. 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: MB-070 for 30 min at RT. Predicted/Observed size: 28 kDa, 28 kDa for Human IgG F(c). Other band(s): None.