

Datasheet for 711-708-127

## F(ab')<sub>2</sub> Rabbit IgG (H&L) Antibody Phycoerythrin Conjugated Pre-adsorbed

### Overview

<b>Description:</b>	Donkey F(ab') <sub>2</sub> Anti-Rabbit IgG (H&L) Antibody Phycoerythrin Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) - 711-708-127
<b>Item No.:</b>	711-708-127
<b>Size:</b>	500 µg
<b>Applications:</b>	WB
<b>Reactivity:</b>	Rabbit
<b>Host Species:</b>	Donkey

### Product Details

<b>Background:</b>	F(ab') <sub>2</sub> Anti-Rabbit IgG [H&L] Antibody Phycoerythrin Conjugated Pre-adsorbed was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab) <sub>2</sub> fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab) <sub>2</sub> fragments penetrate into tissue samples and show better antigen recognition and signal generation in IHC. F(ab) <sub>2</sub> fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab') <sub>2</sub> Rabbit IgG [H&L] Antibody Phycoerythrin conjugated Pre-adsorbed is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.
<b>Synonyms:</b>	Donkey F(ab') <sub>2</sub> Anti-Rabbit IgG Phycoerythrin Conjugated Antibody, Donkey Fab <sub>2</sub> Anti-Rabbit IgG Antibody PE Conjugation
<b>Host Species:</b>	Donkey
<b>Specificity:</b>	IgG (H&L)
<b>Conjugate:</b>	R-Phycoerythrin (RPE)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG F(ab') <sub>2</sub>

### Target Details

<b>Reactivity:</b>	Rabbit
<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	Fab2 Anti-Rabbit IgG was produced by repeated immunization with Rabbit IgG whole molecule in donkey.
<b>Purity/Specificity:</b>	F(ab') <sub>2</sub> Anti-Rabbit IgG (H&L) Phycoerythrin Conjugated Antibody Pre-adsorbed was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit 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-Donkey Serum, Rabbit IgG and Rabbit Serum. No reaction was observed against anti-Pepsin, anti-Donkey IgG F(c) or to Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rat & Sheep Serum Proteins.

## Application Details

<b>Tested Applications:</b>	WB
<b>Application Note:</b>	F(ab') <sub>2</sub> Rabbit IgG Phycoerythrin Conjugated Antibody was tested in WB, and is suitable for immunomicroscopy, 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 10 <sup>6</sup> 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.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>FC:</b>	1:100 - 1:250
<b>IF:</b>	1:100 - 1:200
<b>IHC:</b>	User Optimized
<b>WB:</b>	1:1,000

## Formulation

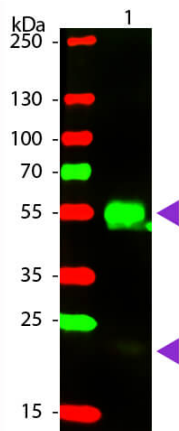
<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	0.5 mg/mL by UV absorbance = 82.0 at 565 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

<b>Reconstitution Volume:</b>	1.0 mL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	Store vial at 4° C prior to restoration. Restore with deionized water (or equivalent). This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Centrifuge product if not completely clear after standing at room temperature. Do not freeze after reconstitution. Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Western blot of Phycoerythrin conjugated Donkey F(ab')<sub>2</sub> Anti-Rabbit IgG Pre-Adsorbed secondary antibody. Lane 1: Rabbit IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Phycoerythrin donkey secondary antibody at 1:1,000 for 60 min at RT. Blocking: MB-070 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Rabbit IgG. Other band(s): None.

## Disclaimer

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