

**R1416R****F(ab')<sub>2</sub> Fragment of Donkey anti-Goat IgG [H&L] -PE-**

<b>Alternate names:</b>	Goat Immunoglobulin G
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml (determined by absorbance = 82.0 at 565 nm)
<b>Host:</b>	Donkey
<b>Immunogen:</b>	Goat IgG whole molecule
<b>Format:</b>	<b>State:</b> Lyophilized F(ab') <sub>2</sub> fragments. <b>Purification:</b> Immunoaffinity Chromatography. <b>Buffer System:</b> 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 <b>Preservatives:</b> 0.01% (w/v) Sodium Azide <b>Stabilizers:</b> 10 mg/ml BSA (IgG and protease free) <b>Label:</b> PE – R-Phycoerythrin (( from seaweed; Molecular Weight 240,000 daltons). <b>Phycobiliprotein Concentration:</b> 0.5 mg/ml (determined by absorbance = 82.0 at 565 nm for a 1% solution for only those molecules to which at least one molecule of active antibody is bound) <i>Absorption / Emission:</i> 488/575 nm <b>Reconstitution:</b> Restore with 1 ml distilled sterile water.
<b>Applications:</b>	Suitable for Immunomicroscopy (1/100-1/200) and Flow Cytometry (1/100-1/200) 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. <b>Recommended Dilutions:</b> 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. As a general guideline dilutions of 1/100 to 1/250 should be suitable for most applications. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This product was prepared from monospecific antiserum by Immunoaffinity Chromatography using Mouse 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, Goat IgG and Goat Serum. No reaction was observed against anti-Pepsin, anti-Donkey IgG F(c), Chicken, Guinea Pig, Syrian Hamster, Horse, Human, Mouse, Rabbit, or Rat Serum Proteins or other Goat heavy or light chain proteins.

**Storage:**

Store the antibody undiluted at 2-8°C prior to opening.

**DO NOT FREEZE!**

Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.

Dilute only prior to immediate use.

Shelf life: One year from despatch.

**General Readings:**

1. Carlsson J, Drevin H, Axén R. Protein thiolation and reversible protein-protein conjugation. N-Succinimidyl 3-(2-pyridyldithio)propionate, a new heterobifunctional reagent. *Biochem J.* 1978 Sep 1;173(3):723-37. PubMed PMID: 708370.