

R1403R**F(ab')₂ Fragment of Rabbit anti-Mouse IgG [H&L] -PE-**

Alternate names:	Mouse Immunoglobulin G
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by absorbance = 8.2 at 565 nm for a 0.1% solution for only those R-PE molecules to which at least one molecule of active antibody is bound)
Host:	Rabbit
Immunogen:	Mouse IgG whole molecule
Format:	State: Lyophilized purified F(ab') ₂ Fragment Purification: Immunoaffinity Chromatography. Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, containing 10 mg/ml BSA (IgG and Protease free) as stabilizer and 0.01 % (w/v) Sodium Azide as preservative. Label: PE – R-Phycoerythrin ((Molecular Weight 240,000 daltons) from seaweed <i>Absorption / Emission:</i> 488 nm / 575 nm Reconstitution: Restore with 1.0 ml of deionized water (or equivalent)
Applications:	Immunofluorescence: 1/100 - 1/250 Flow Cytometry: 1/100 - 1/250; The maximum amount of reagent required to stain 1 x 10 ⁶ 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	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. Coupling to R-PE was followed by size exclusion chromatography to purify conjugate from unreacted R-PE and antibody. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Rabbit Serum, Mouse IgG and Mouse Serum. No reaction was observed against anti-Pepsin, anti-Rabbit IgG F(c) or Human Serum Proteins.
Add. Information:	OD _{566nm} /OD _{280nm} : 2.8
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.