

Product datasheet for **AP09175FC-N**

Biotin Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, IHC
Recommended Dilution:	Suitable for Immunomicroscopy and Flow Cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency. <i>Recommended Dilutions:</i> Immunofluorescence: 1/500-1/2,500. Flow Cytometry: 1/2,000-1/10,000. Note: All assays should be optimized by the user.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Biotin conjugated Keyhole Limpet Hemocyanin (KLH)
Specificity:	This antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by Immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Biotin conjugated IgG and Biotin conjugated Albumin.
Formulation:	0.01M Sodium Phosphate, 0.14M Sodium Chloride, pH 7.4 Label: FITC State: Lyophilized IgG fraction Stabilizer: 10 mg/ml BSA (IgG and Protease free) Preservative: 0.01% (w/v) Thimerisol Absorption emission: 495 nm / 528 nm Molar ratio: 2.7 moles Fluorescein (FITC) per mole of IgG
Reconstitution Method:	Restore with 2.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Conjugation:	FITC



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Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.
Synonyms:	Vitamin B7, Vitamin H