

## Product datasheet for **AP09429FC-N**

### Biotin (F(ab')<sub>2</sub> fragment) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF
Recommended Dilution:	Immunofluorescence. Flow Cytometry.
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Biotin conjugated to Keyhole Limpet Hemocyanin (KLH)
Specificity:	This is a Fluorescein conjugated F(ab) <sub>2</sub> fragment of Anti-Biotin.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml Bovine Serum Albumin (BSA) and 0.01% (w/v) Sodium Azide Label: FITC State: Lyophilized F(ab) <sub>2</sub> fragment Label: Fluorescein isothiocyanate (Molecular Weight 390 daltons) Absorption emission: 495 nm / 528 nm Molar ratio: 3.6 moles FITC per mole of Goat IgG
Reconstitution Method:	Restore with 1.0 ml of deionized water (or equivalent). For extended storage, add glycerol to 50%
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	FITC
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.



[View online »](#)

**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