

Product datasheet for **RA104AP**

Biotin (AP conjugated)

Product data:

Product Type:	Native Proteins
Description:	Biotin conjugated with Alkaline Phosphatase, 1 mg
Concentration:	lot specific
Purity:	This product was prepared from Electrophoretically pure Alkaline Phosphatase and Biotin.
Conjugation:	AP
Buffer:	State: Liquid (sterile filtered) Ig fraction Buffer System: 0.05M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 with 0.05% (w/v) Sodium Azide as preservative and 10 mg/ml BSA (IgG and Protease free) as stabilizer. Label: Alkaline Phosphatase (Calf Intestine) Presentation Label: AP
Preparation:	Liquid (sterile filtered) Ig fraction
Applications:	Suitable for Immunoblotting (Western or Dot blot, 1/500-1/2,500), ELISA (1/8,000-1/32,000) and Immunohistochemistry (1/200-1/1,000) as well as other phosphatase-Biotin/biotin based enzymatic assays. Assay by Immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine) and anti-Biotin.
Protein Description:	Biotin Alkaline Phosphatase Conjugated .
Storage:	Store vial at 2-8°C before opening. DO NOT FREEZE! This product is stable at 2-8°C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Stability:	Shelf life: one year from despatch.
Summary:	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.



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