

Certificate of Analysis

Product: Alkaline Phosphatase Conjugated Fab fragment of Affinity Purified anti-Biotin [Goat]

Code: 800-105-098

Lot # 999640

Size: 1.0 mg

Physical State: Liquid (sterile filtered)

Antibody Concentration: 0.5 mg/ml (by UV absorbance at 280 nm)

Label: Alkaline Phosphatase (Calf Intestine) (Molecular Weight 140,000 daltons)

Buffer: 0.05M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0

Stabilizer: 10 mg/ml BSA (IgG and Protease free)

Preservative: 0.01% (w/v) Sodium Azide

Application(s): Suitable for immunoblotting (western or dot blot), ELISA and immunohistochemistry as well as other phosphatase-antibody based enzymatic assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.

Recommended Dilution(s):	ELISA	1:2,000 - 1:10,000
	WESTERN BLOT	1:500 - 1:2,500
	IMMUNOHISTOCHEMISTRY	1:200 - 1:1,000

Storage Conditions: Store vial at 4° C before opening. **DO NOT FREEZE.** This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. Expiration date is one (1) year from date of opening product.

Purity and Specificity: This product was prepared from monospecific antiserum by immunoaffinity chromatography using biotin coupled to sepharose beads followed by papain digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase, anti-Goat Serum and biotinylated IgG. No reaction was observed against anti-papain or anti-Goat IgG F(c).

Immunogen: Biotin conjugated to Keyhole Limpet Hemocyanin (KLH)

Conjugation Reference: Modified from Avrameas and Ternyrock, *Immunochemistry* **32**; 1175 1971.

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. *Texas Red™ is a registered trademark of Molecular Probes Inc.

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