

Certificate of Analysis

Product: Biomagnetic Particle (BMP) Conjugated Affinity Purified Anti-BIOTIN [Goat]

Code: 600-118-098

Lot # 17500

Size: 50.0 mg in 5 ml (1.0% Suspension)

Physical State: Suspension

Antibody Concentration: 10 mg/ml (by UV absorbance at 280 nm)

Buffer: 0.01 M Tris Cl, 0.15 M Sodium Chloride, 0.001 M EDTA, pH 7.4

Stabilizer: 10 mg/ml Bovine Serum Albumin (BSA) - Immunoglobulin and protease free

Preservative: 0.1% (w/v) Sodium Azide

Application(s): Suitable for use as a secondary antibody in radioimmunoassays and enzyme immunoassays utilizing a biotin conjugated protein. BMPs can be used as solid supports for other immunoassays in single use or automated assays. Automated assays can quickly wash or separate reaction components to increase performance and reduce assay time when a magnetic field is applied. *Please inquire for further information on the Laboratory Supermagnet separation device best suited to your application.*

Binding Capacity: One mg of BMP Goat anti-BIOTIN will bind >0.15 mg of BIOTIN conjugated protein. Note - the specificity of this antibody may vary for certain conjugates. In these instances, the binding capacity may be other than the value stated and the researcher may have to determine actual binding capacities for their particular protein.

Recommended Dilution(s): Not specified. Optimal dilutions for applications should be determined by the researcher.

Storage Conditions: Store vial at 4° C prior to opening. This product contains **sodium azide** as a preservative. Sodium azide may react with lead and copper plumbing to form explosive metal azides. On disposal of material, flush with large volumes of water to prevent azide accumulation. Do not freeze, dry or centrifuge BMP conjugate, as loss of binding activity and extensive aggregation will occur. **DO NOT FREEZE OR DRY THIS PRODUCT.** Centrifugation may be used only if it is the **last** step in a procedure such that antibody binding or resuspension of the BMP is **not** required. Dilute only prior to immediate use. Expiration date is six (6) months from date of opening product.

Description: BMP Goat anti-BIOTIN is a suspension of biomagnetic particles approximately 1 μ m in size that are covalently attached to Goat anti-BIOTIN antibody. The antibody reacts with BIOTIN containing proteins. BMPs are hybrids of polystyrene and iron. The particles are paramagnetic in that they will respond to a magnetic field but will easily re-suspend in the absence of the magnetic field. The hybrid consists of small quantities of iron incorporated throughout the polymer. The suspension is supplied in phosphate buffered saline at pH 7.2. *Please shake the product vigorously prior to use.*

Immunogen: Biotin conjugated Goat IgG

USDA Certification: All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation.

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.