

Datasheet for 600-108-098**Biotin Antibody Phycoerythrin Conjugated****Overview**

Description:	Anti-Biotin (GOAT) Antibody Phycoerythrin Conjugated - 600-108-098
Item No.:	600-108-098
Size:	1 mL
Reactivity:	Biotin
Host Species:	Goat

Product Details

Background:	Biotin Antibody detects Biotin. Biotin is a water-soluble B-complex vitamin (vitamin B7). It is composed of a ureido (tetrahydroimidizalone) ring fused with a tetrahydrothiophene ring. A valeric acid substituent is attached to one of the carbon atoms of the tetrahydrothiophene ring. Biotin is a coenzyme for carboxylase enzymes, involved in the synthesis of fatty acids, isoleucine, and valine, and in gluconeogenesis. Biotin is necessary for cell growth, the production of fatty acids, and the metabolism of fats and amino acids. Anti-Biotin Phycoerythrin Conjugated Antibody is ideal for investigators involved in Cell Signaling and Cell Biology research.
Synonyms:	goat anti-Biotin Antibody PE Conjugation, Phycoerythrin conjugated goat anti-Biotin Antibody, Vitamin B4 antibody
Host Species:	Goat
Conjugate:	R-Phycoerythrin (RPE)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Biotin
Immunogen Type:	Other
Immunogen:	Biotin conjugated to Keyhole Limpet Hemocyanin (b-KLH)

Purity/Specificity:	Anti-Biotin Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Biotin coupled to sepharose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, anti-Phycoerythrin, Biotin conjugated IgG and Biotin conjugated Bovine Serum Albumin.
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Application Details

Application Note:	Anti-Biotin detects biotin and biocytin by ELISA, Immuno-histo-chemistry (IHC), and the antibody also recognizes biotin conjugated to various immunoglobulins. The antibody may be used in amplification techniques, immunoblotting, in situ nucleic acid hybridization, flow cytometry or Immunofluorescence microscopy.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50-1:200
FC:	1.0 µg/1,000,000 cells
IF:	1:50-1:200
IHC:	User Optimized
WB:	1:50-1:200

Formulation

Physical State:	Lyophilized
Concentration:	1.14 mg/mL by UV absorbance = 82.0 at 565 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition:	Store vial at 4° C prior to restoration. Restore with deionized water (or equivalent). This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Centrifuge product if not completely clear after standing at room temperature. Do not freeze after reconstitution. Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.
Expiration:	Expiration date is six (6) months from date of receipt.

Disclaimer

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. 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. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.