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Datasheet for 600-408-098

Biotin Antibody Phycoerythrin Conjugated

Overview

Description:	Anti-Biotin (RABBIT) Antibody Phycoerythrin Conjugated - 600-408-098
Item No.:	600-408-098
Size:	100 µL
Applications:	WB
Reactivity:	Biotin
Host Species:	Rabbit

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:	rabbit anti Biotin Antibody Phycoerythrin Conjugated, rabbit anti-Biotin Antibody Phycoerythrin Conjugated
Host Species:	Rabbit
Conjugate:	R-Phycoerythrin (RPE)
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity:	Rabbit Anti-Biotin 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-phycoerythrin, anti-Rabbit Serum, Biotin conjugated IgG and Biotin conjugated Bovine Serum Albumin.

Application Details

Tested Applications:	WB
Application Note:	Anti-Biotin Phycoerythrin Conjugated Antibody has been tested by Western blot. The antibody may be used in amplification techniques, ELISA, immunoblotting, Immuno-histo-chemistry, 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.
FC:	1:100 - 1:250
IF:	1:100 - 1:250

Formulation

Physical State:	Lyophilized
Concentration:	1.0 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:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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 one (1) year from date of receipt.

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