

Datasheet for 600-106-387**R-Phycoerythrin Antibody Biotin Conjugated****Overview**

Description:	Anti-R-Phycoerythrin (GOAT) Antibody Biotin Conjugated - 600-106-387
Item No.:	600-106-387
Size:	1 mg
Applications:	ELISA
Reactivity:	Phycoerythrin
Host Species:	Goat

Product Details

Background:	Anti-R-Phycoerythrin Antibody Biotin Conjugated generated in goat recognizes RPE. Phycoerythrin (PE) is a red protein-pigment present in red algae and cryptophytes and an accessory pigment to the main chlorophyll pigments responsible for photosynthesis. R-phycoerythrin is predominantly produced by red algae. The molecular weight of R-PE is 240kDa. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. This Anti-R-PE antibody is conjugated to Biotin.
Synonyms:	goat anti R-Phycoerythrin Antibody biotin conjugate, goat anti Phycoerythrin biotin conjugate, goat anti-R-Phycoerythrin biotin conjugation
Host Species:	Goat
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Phycoerythrin
Immunogen Type:	Native Protein
Immunogen:	This affinity purified antibody was prepared from whole goat serum produced by repeated immunizations with highly purified R-Phycoerythrin from the seaweed gracilaria.

Purity/Specificity: This product was prepared from monospecific antiserum by immunoaffinity chromatography using R-Phycoerythrin coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, and R-Phycoerythrin conjugated IgG. This antibody will cross react with B-Phycoerythrin. Reactivity with other phycobiliproteins is unknown.

Relevant Links:

- [600-106-387 SDS](#)

Application Details

Tested Applications: ELISA

Application Note: Anti-R-Phycoerythrin Antibody Biotin Conjugated has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA as well as other immunochemical assays. R-Phycoerythrin (240 kDa) is a labile molecule that may dissociate into components upon exposure to reducing or denaturing agents. Reaction with low molecular weight fragments is typically noted by western blot.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:200,000

IHC: 1:500 - 1:3,000

WB: 1:2,000 - 1:20,000

Formulation

Physical State: Lyophilized

Concentration: 1.0 mg/mL by UV absorbance at 280 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: 1.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition: Ambient

Storage Condition: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year 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.