

**Datasheet for 600-109-387****R-Phycoerythrin Antibody Texas Red™ Conjugated****Overview**

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| <b>Description:</b>  | Anti-R-Phycoerythrin (GOAT) Antibody Texas Red™ Conjugated - 600-109-387 |
| <b>Item No.:</b>     | 600-109-387                                                              |
| <b>Size:</b>         | 1 mg                                                                     |
| <b>Applications:</b> | Dot Blot, WB                                                             |
| <b>Reactivity:</b>   | Phycoerythrin                                                            |
| <b>Host Species:</b> | Goat                                                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Background:</b>   | Anti-R-Phycoerythrin Antibody Texas Red™ 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 Texas Red™. |
| <b>Synonyms:</b>     | goat anti R-Phycoerythrin Antibody Texas Red™ Conjugated, goat anti Phycoerythrin Antibody Texas Red™ Conjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Conjugate:</b>    | Texas Red®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>F/P Ratio:</b>    | 5.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                        |                |
|------------------------|----------------|
| <b>Reactivity:</b>     | Phycoerythrin  |
| <b>Immunogen Type:</b> | Native Protein |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Immunogen:</b>          | This affinity purified antibody was prepared from whole goat serum produced by repeated immunizations with highly purified R-Phycoerythrin from the seaweed gracilaria.                                                                                                                                                                                                                                                                                    |
| <b>Purity/Specificity:</b> | This product was prepared from monospecific antiserum by immunoaffinity chromatography using a 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-Goat Serum and R-Phycoerythrin conjugated IgG. This antibody will cross react with B-Phycoerythrin. Reactivity with other phycobiliproteins is unknown. |

## Application Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Tested Applications:</b> | Dot Blot, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Application Note:</b>    | Anti-R-Phycoerythrin Antibody Texas Red™ Conjugated has been tested by dot blot and western blot. This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Suitable for highly specific immunological methods requiring extremely low background levels, lot-to-lot consistency, high titer and specificity. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>IF:</b>                  | 1:500 - 1:2,500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Formulation

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 1.0 mg/mL by UV absorbance at 280 nm                                   |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2             |
| <b>Preservative:</b>          | 0.01% (w/v) Sodium Azide                                               |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 1.0 mL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

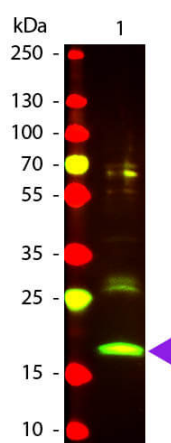
## Shipping & Handling

|                            |         |
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| <b>Shipping Condition:</b> | 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.

## Images



### Western Blot

Western Blot of Texas Red™ conjugated Goat Anti-R-Phycoerythrin secondary antibody. Lane 1: R-Phycoerythrin. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Texas Red™ goat secondary antibody at 1:1,000 for 60 min at RT. Blocking: MB-070 for 30 min at RT. Predicted/Observed size: 18 kDa, 18 kDa for R-Phycoerythrin. Other band(s): R-Phycoerythrin splice variants and isoforms.

## 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.