

**Datasheet for 200-4647S****Beta Amylase Antibody Biotin Conjugated****Overview**

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| <b>Description:</b>  | Anti-Beta Amylase (RABBIT) Antibody Biotin Conjugated - 200-4647S |
| <b>Item No.:</b>     | 200-4647S                                                         |
| <b>Size:</b>         | 25 µL                                                             |
| <b>Applications:</b> | Dot Blot, WB                                                      |
| <b>Reactivity:</b>   | Sweet Potato                                                      |
| <b>Host Species:</b> | Rabbit                                                            |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Background:</b>   | Anti-Beta Amylase antibody works through the hydrolysis of 1,4 alpha-D-glucosidic linkages in polysaccharides to remove successive maltose units from the non-reducing ends of the chains. Anti-Beta Amylase is often used in the structural analysis of starch and glycogen and is found in the cytoplasmic region. Anti-Beta Amylase antibody is ideal for researchers interested in Metabolism, Signal Transduction, and Cell Biology research. |
| <b>Synonyms:</b>     | rabbit anti-Beta Amylase Antibody biotin Conjugation, biotin conjugated rabbit anti-Beta Amylase Antibody, 1-4 alpha D glucan maltohydrolase antibody, 14 alpha D glucan maltohydrolase antibody, AMYB antibody, BMY1 antibody                                                                                                                                                                                                                     |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Conjugate:</b>    | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**Target Details**

|                        |                             |
|------------------------|-----------------------------|
| <b>Gene Name:</b>      | BMY1, AMYB                  |
| <b>Reactivity:</b>     | Sweet Potato                |
| <b>Immunogen Type:</b> | Native Protein              |
| <b>Immunogen:</b>      | Beta Amylase [Sweet Potato] |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Purity/Specificity:</b> | Anti-Beta Amylase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified b-Amylase [Sweet Potato]. Cross reactivity against b-Amylase from other sources may occur but have not been specifically determined. |
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| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P10537</a></li></ul> |
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## Application Details

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| <b>Tested Applications:</b> | Dot Blot, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Application Note:</b>    | Anti-Beta Amylase Biotin Conjugated Antibody has been tested by dot blot and western blot. This product is assayed against 1.0 ug of b-Amylase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ELISA:</b>               | 1:5,000 - 1:25,000                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>WB:</b>                  | 1:500 - 1:3,000                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Formulation

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                              |
| <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 |

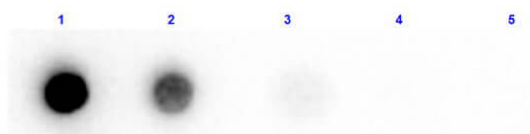
## Shipping & Handling

|                            |         |
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| <b>Shipping Condition:</b> | Dry Ice |
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**Storage Condition:** Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Dot Blot

Dot Blot results of Rabbit Anti-Beta Amylase Biotin Conjugated. Antigen: Beta Amylase. Blot loaded at 3 fold dilution: 1. 100ng, 2. 33.3ng, 3. 11.1ng, 4. 3.70ng, 5. 1.23ng. Blocking: MB-070 Buffer for 30 minutes at RT. Primary Antibody: Rabbit Anti-Beta Amylase Biotin 1µg/mL for 1hr at RT. Secondary Antibody: Goat anti-Rabbit HRP (p/n 611-103-122) at 1:70,000 for 30min at RT. Imaging System ChemiDoc, Filter used: Chemi.

## 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.