

Datasheet for 200-4647-0100**Beta Amylase Antibody Biotin Conjugated****Overview**

Description:	Anti-Beta Amylase (RABBIT) Antibody Biotin Conjugated - 200-4647-0100
Item No.:	200-4647-0100
Size:	100 µg
Applications:	Dot Blot, WB
Reactivity:	Sweet Potato
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	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
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BMY1, AMYB
Reactivity:	Sweet Potato
Immunogen Type:	Native Protein
Immunogen:	Beta Amylase [Sweet Potato]

Purity/Specificity:	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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Relevant Links:	• UniProtKB - P10537
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Application Details

Tested Applications:	Dot Blot, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
WB:	1:500 - 1:3,000

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:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

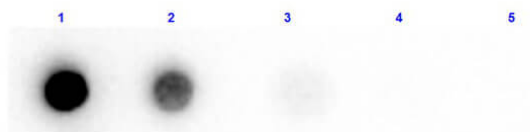
Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition: Store vial at 4° C prior to restoration. 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



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.