

Datasheet for 200-4145**Alpha Amylase Antibody****Overview**

Description:	Anti-Alpha Amylase (Bacillus amyloliquefaciens) (RABBIT) Antibody (BULK ORDER) - 200-4145
Item No.:	200-4145
Size:	50 mg
Applications:	ELISA, WB
Reactivity:	Bacillus amyloliquefaciens
Host Species:	Rabbit

Product Details

Background:	Alpha Amylase is a protein enzyme that preforms endohydrolysis of alpha bonds in large alpha linked polysaccharides, such as starch and glycogen, yielding glucose and maltose. Alpha Amylase applications include ethanol production and reduction of starch or glycogen molecules. Anti-Alpha Amylase Antibody is useful for researchers interested in Metabolism, Cancer, Cell Signaling, and Signal Transduction research.
Synonyms:	rabbit anti-Alpha Amylase Antibody, Alpha-amylase, 1,4-alpha-D-glucan glucanohydrolase
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Alpha-amylase
Reactivity:	Bacillus amyloliquefaciens
Immunogen Type:	Native Protein
Immunogen:	a-Amylase [Bacillus amyloliquefaciens]

Purity/Specificity: Alpha Amylase Antibody 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-Rabbit Serum as well as purified and partially purified a-Amylase [*Bacillus amyloliquefaciens*]. Cross reactivity against a-Amylase from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P00692](#)
- [NCBI - WP_013352208.1](#)
- [GeneID - 7849308](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Alpha Amylase has been tested by ELISA and western blot and is assayed against 1.0 ug of a-Amylase [*Bacillus amyloliquefaciens*] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 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 1:20,000 to 1:100,000 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 - 1:20,000

IP: 1:100

WB: 1:500 - 1:5,000

Formulation

Physical State: Lyophilized

Concentration: 10.0 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: None

Reconstitution Volume: 5.0 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.