

Datasheet for 200-4345-0100**Alpha Amylase Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Alpha Amylase (Bacillus amyloliquefaciens) (RABBIT) Antibody Peroxidase Conjugated - 200-4345-0100
Item No.:	200-4345-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Bacillus amyloliquefaciens
Host Species:	Rabbit

Product Details

Background:	Anti-Alpha Amylase Antibody detects Alpha Amylase. α -Amylase is an enzyme that hydrolyses alpha-bonds of large alpha-linked polysaccharides, such as starch and glycogen, yielding glucose and maltose. Anti-Alpha Amylase Antibody is ideal for investigators involved in Cell Signaling.
Synonyms:	rabbit anti-Alpha Amylase Antibody Peroxidase Conjugation, HRP conjugated rabbit anti-Alpha Amylase Antibody, Alpha-amylase, 1,4-alpha-D-glucan glucanohydrolase
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Alpha-amylase
Reactivity:	Bacillus amyloliquefaciens
Immunogen Type:	Native Protein
Immunogen:	Anti-Alpha Amylase Antibody was produced by repeated immunizations with Bacillus amyloliquefaciens α -Amylase protein.

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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified a-Amylase [Bacillus amyloliquefaciens]. Cross reactivity against a-Amylase from other tissues and species is unknown.

Relevant Links:

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

Application Details

Tested Applications: ELISA, WB

Application Note: Alpha Amylase Peroxidase conjugate antibody has been tested by ELISA and western blot and is assayed against 1.0 ug of Alpha Amylase [Bacillus amyloliquefaciens] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:10,000 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: 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) Gentamicin Sulfate. Do NOT add 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
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

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