

Datasheet for 200-4345S

Alpha Amylase Antibody Peroxidase Conjugated

Overview

Description:	Anti-Alpha Amylase (Bacillus amyloliquefaciens) (RABBIT) Antibody Peroxidase Conjugated - 200-4345S
Item No.:	200-4345S
Size:	25 µL
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 α -Amylase [*Bacillus amyloliquefaciens*]. Cross reactivity against α -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-ethylbenzthiazoline-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: Liquid (sterile filtered)

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

Shipping & Handling

Shipping Condition: Dry Ice

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.

Disclaimer

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