

Datasheet for 200-4648S**Ascorbate Oxidase Antibody Biotin Conjugated****Overview**

Description:	Anti-Ascorbate Oxidase (cucurbita species) (RABBIT) Antibody Biotin Conjugated - 200-4648S
Item No.:	200-4648S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Ascorbate Oxidase (Cucurbita)
Host Species:	Rabbit

Product Details

Background:	Anti-Ascorbate Oxidase antibody is cytoplasmic and performs binding with copper ions. Anti-Ascorbate Oxidase belongs to the multicopper oxidase family and may be a factor in the redox system involving ascorbic acid, acting as a catalyst. Found prevalently in plants, Ascorbate Oxidase has been suggested to increase plant growth. Anti-Ascorbate Oxidase antibody is ideal for researchers interested in the investigation of Cell Biology.
Synonyms:	rabbit anti-Ascorbate Oxidase Antibody biotin Conjugation, biotin conjugated rabbit anti-Ascorbate Oxidase Antibody, L-ascorbate oxidase, Ascorbase, ASO
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AAO
Reactivity:	Ascorbate Oxidase (Cucurbita)
Immunogen Type:	Native Protein
Immunogen:	Ascorbate Oxidase [cucurbita]

Purity/Specificity: Anti-Ascorbate Oxidase 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 Ascorbate Oxidase [cucurbita]. Cross reactivity against Ascorbate Oxidase from other sources may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P24792](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Ascorbate Oxidase Biotin Conjugated Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Ascorbate Oxidase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and 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: 1:2,500 - 1:15,000

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) 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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