

Datasheet for 200-4148

Ascorbate Oxidase Antibody**Overview**

Description:	Anti-Ascorbate Oxidase (cucurbita species) (RABBIT) Antibody (BULK ORDER) - 200-4148
Item No.:	200-4148
Size:	50 mg
Applications:	ELISA, WB
Reactivity:	Ascorbate Oxidase (Cucurbita)
Host Species:	Rabbit

Product Details

Background:	Ascorbate Oxidase may be involved in a redox system involving ascorbic acid. Ascorbate Oxidase catalytic activity is $4 \text{ L-ascorbate} + \text{O}_2 = 4 \text{ monodehydroascorbate} + 2 \text{ H}_2\text{O}$.
Synonyms:	rabbit anti-Ascorbate Oxidase Antibody, L-ascorbate oxidase, Ascorbase, ASO
Host Species:	Rabbit
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-Rabbit Serum as well as purified and partially purified Ascorbate Oxidase [cucurbita]. Cross reactivity against Ascorbate Oxidase from other sources is unknown.

Relevant Links:

- [UniProtKB - P24792](#)
- [NCBI - P24792.2](#)

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Ascorbate Oxidase has been tested by ELISA and western blot and is suitable for use in immunoprecipitation. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:25,000 - 1:125,000
IP:	1:100
WB:	1:2,000 - 1:10,000

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

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