

Datasheet for 100-4148**Ascorbate Oxidase Antibody****Overview**

Description:	Anti-Ascorbate Oxidase (cucurbita species) (RABBIT) Antibody - 100-4148
Item No.:	100-4148
Size:	2 mL
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:	Antiserum

Target Details

Gene Name:	AAO
Reactivity:	Ascorbate Oxidase (Cucurbita)
Immunogen Type:	Native Protein
Immunogen:	Ascorbate Oxidase [cucurbita]
Purity/Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Ascorbate Oxidase [cucurbita]. Cross reactivity against Ascorbate Oxidase from other tissues and species may occur but have not been specifically determined.
Relevant Links:	• UniProtKB - P24792

Application Details

Application Note:	Anti-Ascorbate Oxidase is suitable for use in ELISA, immunoprecipitation, and western blot. 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:	1:5,000 - 1:20,000
IP:	1:100
WB:	1:500 - 1:2,000

Formulation

Physical State:	Lyophilized
Concentration:	85 mg/mL by Refractometry
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:	2.0 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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