

Datasheet for 200-606-143S

D-Amino Acid Oxidase Antibody Biotin Conjugated

Overview

Description:	Anti-D-Amino Acid Oxidase (Pig Kidney) (SHEEP) Antibody Biotin Conjugated - 200-606-143S
Item No.:	200-606-143S
Size:	25 µL
Reactivity:	Pig
Host Species:	Sheep

Product Details

Background:	Anti-D-Amino Acid Oxidase antibody is part of the DAMOX/DASOX family and resides in the peroxisome. D-Amino Acid Oxidase modulates the level of the neuromodulator D-serine in the brain, contributes to dopamine synthesis, and has a high activity towards D-DOPA. It could act to remove D-amino acids that accumulate with age. Anti-D-Amino Oxidase prefers small hydrophobic side chains, then bearing polar, aromatic, and basic groups. It does not act on acidic amino acids. Anti-D-Amino Acid Oxidase is ideal for investigators interested in Metabolism, Signal Transduction, and Tags & Cell Marker research.
Synonyms:	sheep anti-D-Amino Acid Oxidase biotin conjugated Antibody, biotin conjugated sheep anti-D-Amino Acid Oxidase Antibody, D-amino-acid oxidase, DAMOX, DAAO, DAO
Host Species:	Sheep
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DAO
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	D-Amino Acid Oxidase [Pig Kidney]

Purity/Specificity: Anti-D-Amino Acid 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-Sheep Serum as well as purified and partially purified D-Amino Acid Oxidase [Pig Kidney]. Cross reactivities against D-Amino Acid Oxidase from other sources may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P00371](#)
- [NCBI - NP_999231.1](#)
- [GenelD - 397134](#)

Application Details

Application Note: Anti-D-Amino Acid Oxidase has been assayed against 1.0 ug of D-Amino Acid Oxidase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:16,000 to 1:68,000 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) 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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