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Datasheet for 200-606-143-0100

D-Amino Acid Oxidase Antibody Biotin Conjugated

Overview

Description:	Anti-D-Amino Acid Oxidase (Pig Kidney) (SHEEP) Antibody Biotin - 200-606-143-0100
Item No.:	200-606-143-0100
Size:	100 µg
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 neuromodulater 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 • GeneID - 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-ethylbenthiazoline-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:	Lyophilized
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
Reconstitution Volume:	100 µL
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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