

Datasheet for 200-606-143**D-Amino Acid Oxidase Antibody Biotin Conjugated****Overview**

Description:	Anti-D-Amino Acid Oxidase (Pig Kidney) (SHEEP) Antibody Biotin Conjugated (BULK ORDER) - 200-606-143
Item No.:	200-606-143
Size:	10 mg
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](#)
- [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: 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: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Reconstitution Volume: 1.0 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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.