

Rat D-amino-acid oxidase ELISA Kit | DAO elisa kit

Rat diamine oxidase, DAO ELISA Kit

CATALOG #
AAA79503

REACTIVITY
Rat

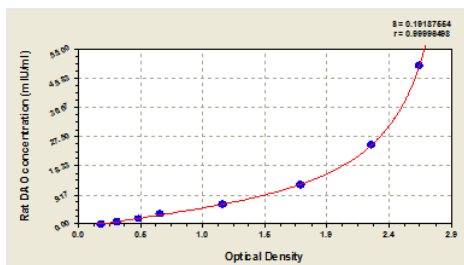
PRODUCT SYNONYMS

D-amino-acid oxidase; Rat diamine oxidase; DAO ELISA Kit; Rat diamine oxidase (DAO) ELISA Kit; DAAO; DAMOX; MGC35381; OXDA; ; DAO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat DAO. No significant cross-reactivity or interference between Rat DAO and analogues was observed.
Sequence Length	347
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.78 mIU/ml-50 mIU/ml
Sensitivity	0.195 mIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DAO elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DAO. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for DAO and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain DAO, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of DAO in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126723217
NCBI GeneID	100008977
NCBI Accession #	NP_001075658.1
NCBI GenBank Nucleotide #	NM_001082189.1
UniProt Accession #	P22942
Molecular Weight	38,590 Da
NCBI Official Full Name	D-amino-acid oxidase
NCBI Official Symbol	DAO
NCBI Protein Information	D-amino-acid oxidase; DAAO; DAMOX; D-amino acid oxidase
UniProt Protein Name	D-amino-acid oxidase
UniProt Gene Name	DAO
UniProt Synonym Gene Names	DAAO; DAMOX; DAO
UniProt Entry Name	OXDA_RABIT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/dao-rat-elisa-kits/d-amino-acid-oxidase/79503>