

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

Human diamine oxidase, DAO ELISA Kit

CATALOG #
AAA79613

REACTIVITY
Human

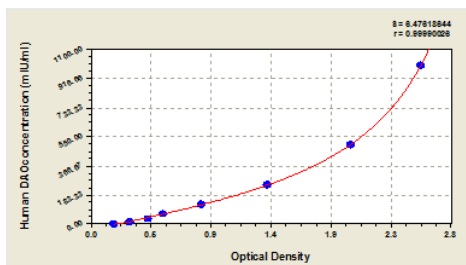
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human DAO. No significant cross-reactivity or interference between Human DAO and analogues was observed.
Sequence Length	347
Samples	Serum, plasma, tissue homogenates
Detection Range	15.6 mIU/ml-1000 mIU/ml
Sensitivity	3.9 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 polyclonal antibody preparation specific for DAO and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then aTMB (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 #	148539837
NCBI GeneID	1610
NCBI Accession #	NP_001908.3
NCBI GenBank Nucleotide #	NM_001917.4
UniProt Accession #	P14920; Q16758; Q8N6R2; B2R7I5
Molecular Weight	39,474 Da
NCBI Official Full Name	D-amino-acid oxidase
NCBI Official Synonym Full Names	D-amino-acid oxidase
NCBI Official Symbol	DAO
NCBI Official Synonym Symbols	DAAO; OXDA; DAMOX
NCBI Protein Information	D-amino-acid oxidase; D-amino acid oxidase
UniProt Protein Name	D-amino-acid oxidase
UniProt Gene Name	DAO
UniProt Synonym Gene Names	DAMOX; DAAO; DAMOX; DAO
UniProt Entry Name	OXDA_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dao-human-elisa-kits/d-amino-acid-oxidase/79613>