

Human D-Aspartate Oxidase (DDO) ELISA Kit | DDO elisa kit

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CATALOG #
AAA67002

REACTIVITY
Human

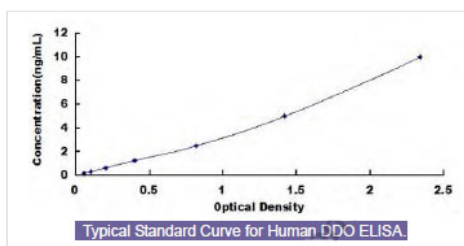
PRODUCT SYNONYMS

D-Aspartate Oxidase (DDO); Human D-Aspartate Oxidase (DDO) ELISA Kit; DASOX; DDO-1; DDO-2; DDO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DDO. No significant cross-reactivity or interference between DDO and analogues was observed.
Sequence Length	369
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DDO were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DDO were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DDO elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DDO in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DDO. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DDO. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DDO, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of DDO 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 #	40217815
NCBI GeneID	8528
NCBI Accession #	NP_003640.2
NCBI GenBank Nucleotide #	NM_003649.2
UniProt Accession #	Q99489; Q5JXM4; Q5JXM5; Q5JXM6; Q8N552; A8KAG4
Molecular Weight	33,980 Da
NCBI Official Full Name	D-aspartate oxidase isoform a
NCBI Official Synonym Full Names	D-aspartate oxidase
NCBI Official Symbol	DDO
NCBI Official Synonym Symbols	DASOX; DDO-1; DDO-2
NCBI Protein Information	D-aspartate oxidase
UniProt Protein Name	D-aspartate oxidase
UniProt Gene Name	DDO
UniProt Synonym Gene Names	DASOX; DDO

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.