

Rat DAO ELISA Kit | DAO elisa kit

Rat DAO (Diamine Oxidase) ELISA Kit

CATALOG #
AAA163553

REACTIVITY
Rat

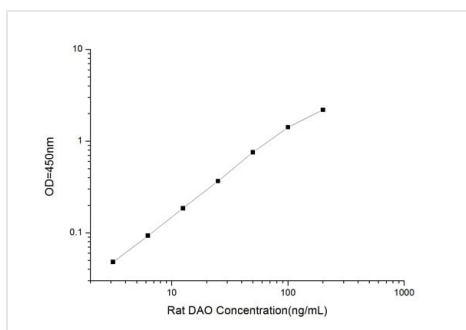
PRODUCT SYNONYMS

DAO; Rat DAO (Diamine Oxidase) ELISA Kit; DAO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat DAO in samples. No significant cross-reactivity or interference between Rat DAO and analogues was observed.
Sequence Length	347
Samples	Serum and plasma, please inquire if your samples are other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat DAO were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat DAO were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DAO elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat DAO concentrations in serum and plasma, please inquire if your samples are other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat DAO. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat DAO and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat DAO, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 +/- 2 nm. The OD value is proportional to the concentration of Rat DAO. You can calculate the concentration of Rat DAO in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25453448
NCBI GeneID	1610
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.