

Human Diamine Oxidase (DAO) RTU ELISA Kit | DAO rtu elisa kit

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CATALOG #
AAA70148

REACTIVITY
Human

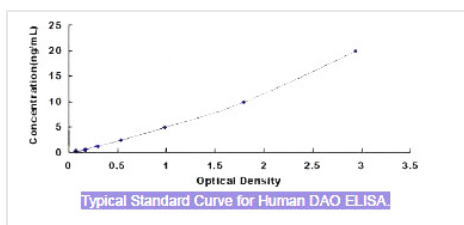
PRODUCT SYNONYMS

Diamine Oxidase (DAO); Human Diamine Oxidase (DAO) ELISA Kit; AOC1; ABP1; KAO; Histaminase; Kidney amine oxidase; Amiloride Binding Protein 1; Amiloride-sensitive amine oxidase; Amine oxidase copper domain-containing protein 1; DAO rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DAO. No significant cross-reactivity or interference between DAO and analogues was observed.
Sequence Length	751
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.127ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DAO 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 DAO were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DAO rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DAO in human serum, plasma, tissue homogenates or other biological fluids. 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 to DAO. 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 DAO, 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 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 #	73486661
NCBI GeneID	26
NCBI Accession #	NP_001082.2
NCBI GenBank Nucleotide #	NM_001091.3
UniProt Accession #	P19801; Q16683; Q16684; Q56II4; Q6GU42; C9J690
Molecular Weight	87,239 Da
NCBI Official Full Name	amiloride-sensitive amine oxidase
NCBI Official Synonym Full Names	amine oxidase, copper containing 1
NCBI Official Symbol	AOC1
NCBI Official Synonym Symbols	ABP; DAO; KAO; ABP1; DAO1
NCBI Protein Information	amiloride-sensitive amine oxidase [copper-containing]
UniProt Protein Name	Amiloride-sensitive amine oxidase [copper-containing]
UniProt Gene Name	AOC1
UniProt Synonym Gene Names	ABP1; DAO1; DAO; Diamine oxidase; KAO

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.