

Rat Diamine Oxidase ELISA Kit | DAO elisa kit

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CATALOG #
AAA16012

REACTIVITY
Rat

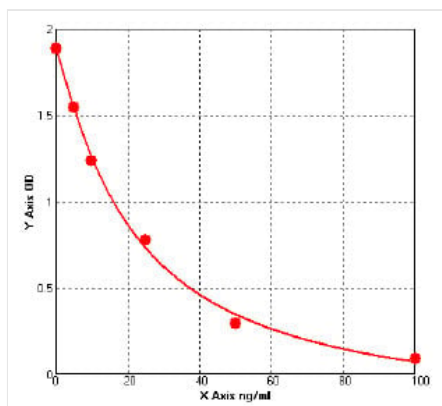
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DAO and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DAO elisa kit	Intended Uses: This DAO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DAO. This ELISA kit for research use only! Principle of the Assay: DAO ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-DAO antibody and an DAO-HRP conjugate. The assay sample and buffer are incubated together with DAO-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DAO concentration since DAO from samples and DAO-HRP conjugate compete for the anti-DAO antibody binding site. Since the number of sites is limited, as more sites are occupied by DAO from the sample, fewer sites are left to bind DAO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DAO concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	440918691
NCBI GeneID	26
NCBI Accession #	NP_001259001.1
NCBI GenBank Nucleotide #	NM_001272072.1
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]; amiloride-sensitive amine oxidase [copper-containing]; histaminase; diamine oxidase; kidney amine oxidase; amiloride-binding protein 1; amine oxidase copper domain-containing protein 1; amiloride binding protein 1 (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
UniProt Entry Name	AOC1_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.