

Rat Amine Oxidase, Copper Containing 3 (AOC3) ELISA Kit | AOC3 elisa kit

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CATALOG #
AAA68483

REACTIVITY
Rat

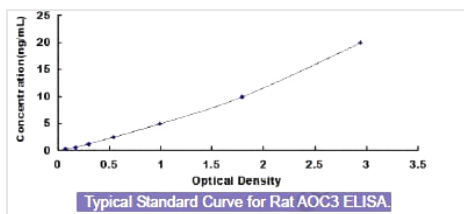
PRODUCT SYNONYMS

Amine Oxidase; Copper Containing 3 (AOC3); Rat Amine Oxidase; Copper Containing 3 (AOC3) ELISA Kit; VAP1; HPAO; SSAO; Membrane primary amine oxidase; Vascular Adhesion Protein 1; Semicarbazide-Sensitive Amine Oxidase; Copper-Containing Amine Oxygen Oxidoreductase; AOC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of AOC3. No significant cross-reactivity or interference between AOC3 and analogues was observed.
Sequence Length	763
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.117ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AOC3 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 AOC3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AOC3 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of AOC3 in rat 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 AOC3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AOC3. 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 AOC3, 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 AOC3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71896590
NCBI GeneID	29473
NCBI Accession #	NP_113770.2
NCBI GenBank Nucleotide #	NM_031582.2
UniProt Accession #	O08590; Q497D2; Q5R1T5
Molecular Weight	84,981 Da
NCBI Official Full Name	membrane primary amine oxidase
NCBI Official Synonym Full Names	amine oxidase, copper containing 3
NCBI Official Symbol	Aoc3
NCBI Official Synonym Symbols	SSAO
NCBI Protein Information	membrane primary amine oxidase
UniProt Protein Name	Membrane primary amine oxidase
UniProt Gene Name	Aoc3
UniProt Synonym Gene Names	SSAO; VAP-1

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/amine-oxidase-copper-containing-3-aoc3/68483>