

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

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CATALOG #
AAA148600

REACTIVITY
Rat

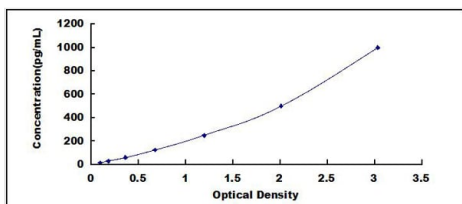
PRODUCT SYNONYMS

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 Amine Oxidase, Copper Containing 3 (AOC3). No significant cross-reactivity or interference between Amine Oxidase, Copper Containing 3 (AOC3) and analogues was observed.
Sequence Length	763
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Amine Oxidase, Copper Containing 3 (AOC3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Amine Oxidase, Copper Containing 3 (AOC3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AOC3 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Amine Oxidase, Copper Containing 3 (AOC3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Amine Oxidase, Copper Containing 3 (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 Amine Oxidase, Copper Containing 3 (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 Amine Oxidase, Copper Containing 3 (AOC3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for AOC3 elisa kit	Enzyme & Kinase; Infection immunity; Endocrinology; Bone metabolism; Rheumatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	29792247
NCBI GeneID	8639
Molecular Weight	24,533 Da
NCBI Official Full Name	Amine oxidase, copper containing 3 (vascular adhesion protein 1)
NCBI Official Synonym Full Names	amine oxidase, copper containing 3
NCBI Official Symbol	AOC3
NCBI Official Synonym Symbols	HPAO; SSAO; VAP1; VAP-1
NCBI Protein Information	membrane primary amine oxidase
UniProt Protein Name	Membrane primary amine oxidase
UniProt Gene Name	AOC3
UniProt Synonym Gene Names	VAP1; 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-aoc3/148600>