

VAP-1/AOC3 ELISA Kit | AOC3 elisa kit

Human VAP-1/AOC3 PicoKine ELISA Kit

CATALOG # AAA124882	REACTIVITY Human There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
-------------------------------	--	------------------------------

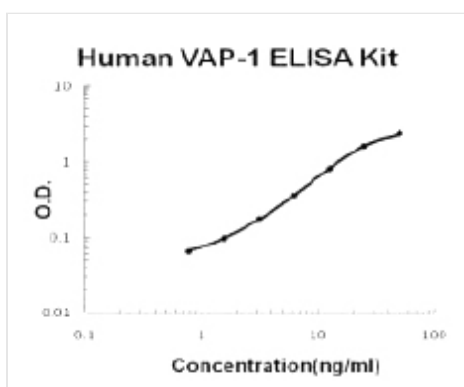
PRODUCT SYNONYMS

VAP-1/AOC3; Human VAP-1/AOC3 PicoKine ELISA Kit; Membrane primary amine oxidase; AOC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human VAP-1/AOC3
Sequence Length	220
Assay Type	Quantitative Sandwich
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<20pg/ml
Applicable Applications for AOC3 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AOC3 elisa kit	Principle of the Assay: Human VAP-1/AOC3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for VAP-1/AOC3 has been precoated onto 96-well plates. Standards(Expression system for standard: sf21, Immunogen sequence: N2-N763) and test samples are added to the wells, a biotinylated detection biotinylated polyclonal antibody from goat specific for VAP-1/AOC3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human VAP-1/AOC3 amount of sample captured in plate. Background: Amine oxidase, copper containing 3, also known as vascular adhesion protein (VAP-1) and HPAO is an enzyme that in humans is encoded by the AOC3 gene on chromosome 17. This protein is a member of the semicarbazide-sensitive amine oxidase (SSAO) family and is associated with many vascular diseases. This gene encodes a member of the semicarbazide-sensitive amine oxidase family. Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The encoded protein is localized to the cell surface, has adhesive properties as well as monoamine oxidase activity, and may be involved in leukocyte trafficking. Alterations in levels of the encoded protein may be associated with many diseases, including diabetes mellitus. A pseudogene of this gene has been described and is located approximately 9-kb downstream on the same chromosome. Alternative splicing results in multiple transcript variants.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	480306390
NCBI GeneID	8639
NCBI Accession #	NP_001264660.1
NCBI GenBank Nucleotide #	NM_001277731.1
UniProt Accession #	Q16853; Q45F94; B2RCI5; K7ESB3; L0L8N9
Molecular Weight	24,533 Da
NCBI Official Full Name	membrane primary amine oxidase isoform 2
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/vap-1-aoc3/124882>