

## ARG81991 Human AOC3 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81991-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81991-002	Standard	2 X 50 ng/vial	4°C
ARG81991-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81991-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81991-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81991-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81991-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81991-008	25X Wash buffer	20 ml	4°C
ARG81991-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81991-010	STOP solution	10 ml (Ready to use)	4°C
ARG81991-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81991 Human AOC3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human AOC3 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	AOC3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.8%; Inter-Assay CV: 6.6%
Alternate Names	HPAO; Semicarbazide-sensitive amine oxidase; VAP-1; Vascular adhesion protein 1; Copper amine oxidase; SSAO; Membrane primary amine oxidase; EC 1.4.3.21; VAP1

## Application Instructions

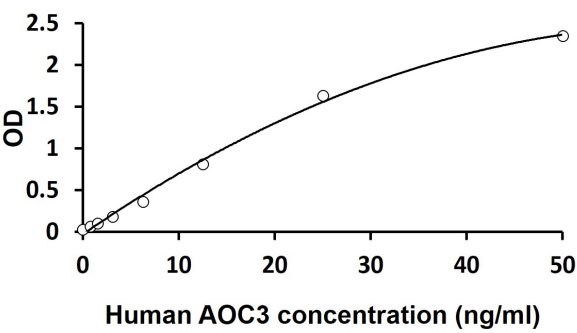
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	AOC3
Gene Full Name	amine oxidase, copper containing 3
Background	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. [provided by RefSeq, Apr 2013]
Function	Cell adhesion protein that participates in lymphocyte extravasation and recirculation by mediating the binding of lymphocytes to peripheral lymph node vascular endothelial cells in an L-selectin-independent fashion. Has semicarbazide-sensitive (SSAO) monoamine oxidase activity. May play a role in adipogenesis. [UniProt]
Highlight	Related products: <a href="#">AOC3 antibodies</a> ; <a href="#">AOC3 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Topaquinone (TPQ) is generated by copper-dependent autooxidation of a specific tyrosyl residue.  N- and O-glycosylated. [UniProt]



ARG81991 Human AOC3 ELISA Kit standard curve image

ARG81991 Human AOC3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.