



Mouse Membrane primary amine oxidase(AOC3) ELISA kit

Product Code	CSB-EL001855MO
Abbreviation	AOC3
Protein Biological Process 1	Cell Adhesion
Target Name	amine oxidase, copper containing 3 (vascular adhesion protein 1)
Uniprot No.	O70423
Alias	HPAO, SSAO, VAP-1, VAP1, amine oxidase, copper containing 3 copper amine oxidase semicarbazide-sensitive amine oxidase vascular adhesion protein 1
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	1.25 ng/mL-80 ng/mL
Sensitivity	0.31 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Others
Gene Names	Aoc3
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse AOC3 ELISA Kit was designed for the quantitative measurement of Mouse AOC3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.25 ng/mL-80 ng/mL and the sensitivity is 0.31 ng/mL.

Target Details

Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The product is a major protein on the adipocyte plasma membrane. It has adhesive properties and also has functional monoamine oxidase activity. A pseudogene for this gene



has been described and is located approximately 9-kb downstream.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse AOC3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	83
	Range %	80-86
1:2	Average %	90
	Range %	85-96
1:4	Average %	96
	Range %	93-99
1:8	Average %	104
	Range %	100-109

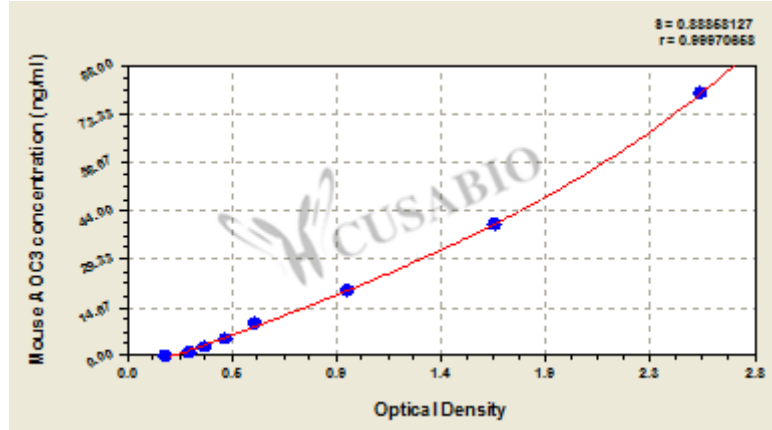
Recovery

The recovery of mouse AOC3 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	95	90-100
EDTA plasma (n=4)	97	94-100

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
80	2.507	2.569	2.538	2.351
40	1.662	1.600	1.631	1.444
20	0.999	0.968	0.984	0.797
10	0.587	0.572	0.580	0.393
5	0.444	0.458	0.451	0.264
2.5	0.354	0.362	0.358	0.171
1.25	0.279	0.298	0.289	0.102
0	0.188	0.186	0.187	

Msds

{\"0\": {\"fileurl\": \"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL001855MO.pdf\", \"filename\": \"MSDS\"}}