



Mouse L-amino-acid oxidase(IL4I1) ELISA kit

Product Code	CSB-EL011660MO
Abbreviation	IL4I1
Target Name	interleukin 4 induced 1
Uniprot No.	O09046
Alias	FIG1, Fig-1 protein interleukin 4 induced protein 1 interleukin four induced 1
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 pg/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	Cell Biology
Gene Names	Il4i1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse IL4I1 ELISA Kit was designed for the quantitative measurement of Mouse IL4I1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.

Target Details

This protein shares the limited similarity with L-amino acid oxidase, and contains the conserved key amino acid residues thought to be involved in catalysis and binding of the flavin adenine dinucleotide cofactor. The expression of this gene can be induced by interleukin 4 in B cells. Two alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported.

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 IL4I1 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 %	101
	Range %	92-105
1:2	Average %	94
	Range %	90-99
1:4	Average %	95
	Range %	87-98
1:8	Average %	92
	Range %	85-95

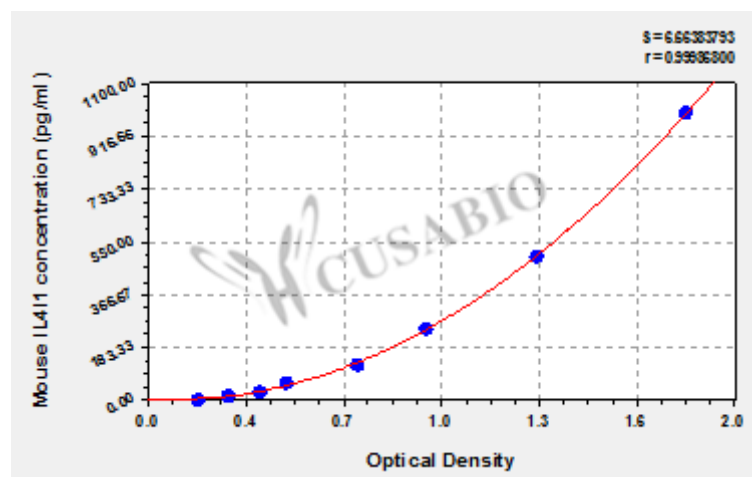
Recovery

The recovery of mouse IL4I1 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)	103	94-107
EDTA plasma (n=4)	98	90-102

Typical

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



pg/ml	OD1	OD2	Average	Corrected
1000	1.780	1.814	1.797	1.596
500	1.316	1.301	1.309	1.108
250	0.954	0.939	0.947	0.746
125	0.716	0.732	0.724	0.523
62.5	0.488	0.498	0.493	0.292
31.2	0.406	0.400	0.403	0.202
15.6	0.306	0.294	0.300	0.099
0	0.203	0.199	0.201	?

Msds

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