Mouse Insulin-like growth factor-binding protein complex acid labile subunit(IGFALS) ELISA kit

Product Code	CSB-EL011094MO
Abbreviation	IGFALS
Protein Biological Process 1	Cell Adhesion
Target Name	insulin-like growth factor binding protein, acid labile subunit
Uniprot No.	P70389
Alias	ALS, insulin-like growth factor binding protein complex acid labile chain
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 ng/mL-200 ng/mL
Sensitivity	0.78 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	Igfals
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse IGFALS ELISA Kit was designed for the quantitative measurement of Mouse IGFALS protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 ng/mL-200 ng/mL and the sensitivity is 0.78 ng/mL.
Target Details	This protein is a serum protein that binds insulin-like growth factors, increasing their half-life and their vascular localization. Production of the encoded protein, which contains twenty leucine-rich repeats, is stimulated by growth hormone. Defects in this gene are a cause of acid-labile subunit deficiency, which maifests itself in a delayed and slow puberty. Three transcript variants encoding two

different isoforms have been found for this gene.

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 IGFALS 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)
1:100	Average %	96
	Range %	93-99
1:200	Average %	84
	Range %	80-87
1:400	Average %	91
	Range %	87-94
1:800	Average %	107
	Range %	104-110

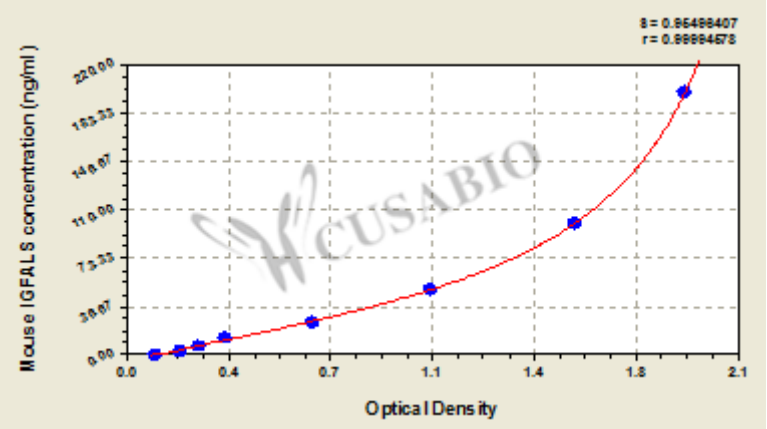
Recovery

The recovery of mouse IGFALS 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)	94	90-98
EDTA plasma (n=4)	85	81-89

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
200	1.985	1.901	1.943	1.838
100	1.543	1.578	1.561	1.456
50	1.055	1.064	1.060	0.955
25	0.657	0.648	0.653	0.548
12.5	0.346	0.352	0.349	0.244
6.25	0.248	0.268	0.258	0.153
3.12	0.191	0.193	0.192	0.087
0	0.106	0.104	0.105	

Msds

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