



Mouse Insulin-like growth factor binding protein 2,IGFBP-2 ELISA KIT

Product Code	CSB-E04589m
Abbreviation	IGFBP2
Protein Biological Process 1	Growth Factor
Target Name	insulin-like growth factor binding protein 2, 36kDa
Uniprot No.	P47877
Alias	IBP2, IGF-BP53
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Growth regulation
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.45 ng/mL-30 ng/mL
Sensitivity	0.11 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	Signal Transduction
Gene Names	Igfbp2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse IGFBP2 ELISA Kit was designed for the quantitative measurement of Mouse IGFBP2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.45 ng/mL-30 ng/mL and the sensitivity is 0.11 ng/mL.
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 IGFBP-2 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)
	Average %	103
1:20	Range %	98-107
	Average %	84
1:40	Range %	80-88
	Average %	96
1:80	Range %	92-100
	Average %	90
1:160	Range %	86-94

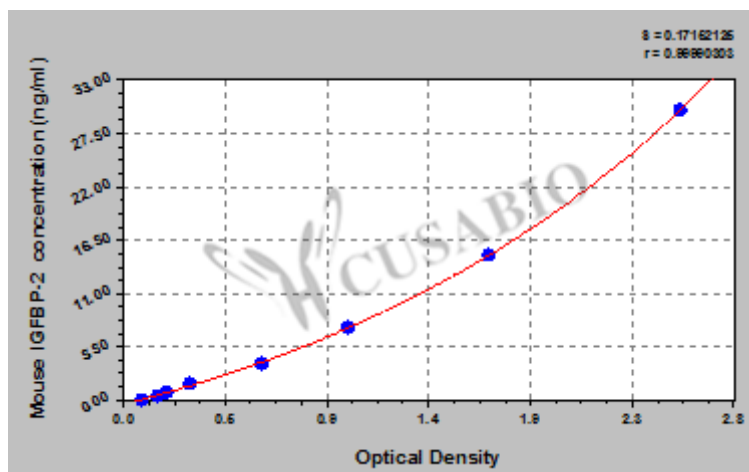
Recovery

The recovery of mouse IGFBP-2 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)	88	84-92
EDTA plasma (n=4)	95	90-100

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
30	2.641	2.496	2.569	2.470
15	1.750	1.625	1.688	1.589
7.5	1.004	1.080	1.042	0.943
3.75	0.638	0.659	0.649	0.550
1.8	0.329	0.313	0.321	0.222
0.9	0.215	0.204	0.210	0.111
0.45	0.162	0.171	0.167	0.068
0	0.096	0.102	0.099	?

Msds

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