Human Insulin-like growth factor 2 mRNA-binding protein 2(IGF2BP2) ELISA kit

Product Code	CSB-EL011091HU
Abbreviation	IGF2BP2
Protein Biological Process 1	Transcription/Transcription regulation
Target Name	insulin-like growth factor 2 mRNA binding protein 2
Uniprot No.	Q9Y6M1
Alias	IMP-2, IMP2, VICKZ2, p62, IGF-II mRNA-binding protein 2
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Translation regulation
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	Epigenetics and Nuclear Signaling
Gene Names	IGF2BP2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human IGF2BP2 ELISA Kit was designed for the quantitative measurement of Human IGF2BP2 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL.
Target Details	This gene encodes a member of the IGF-II mRNA-binding protein (IMP) family. This protein contains several four KH domains and two RRM domains. It functions by binding to the 5 UTR of the insulin-like growth factor 2 (IGF2) mRNA and regulating IGF2 translation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

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 human IGF2BP2 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 %	85
	Range %	80-90
1:2	Average %	96
	Range %	92-100
1:4	Average %	90
	Range %	85-94
1:8	Average %	104
	Range %	100-108

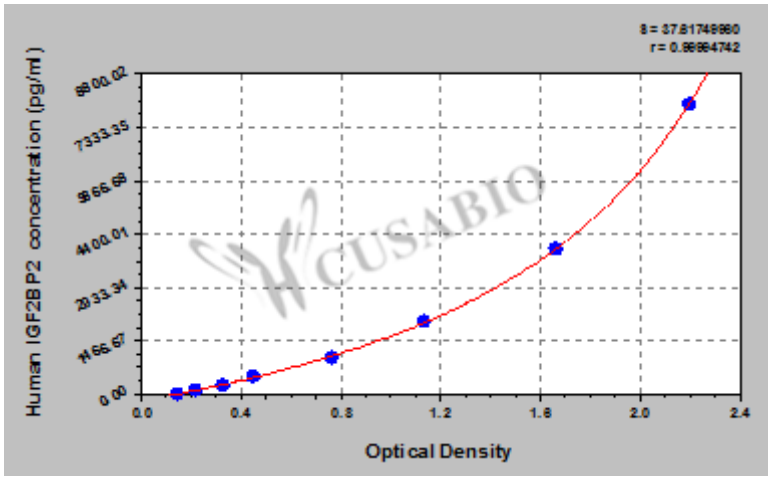
Recovery

The recovery of human IGF2BP2 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)	89	84-93
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.



pg/ml	OD1	OD2	Average	Corrected
8000	2.167	2.249	2.208	2.051
4000	1.649	1.703	1.676	1.519
2000	1.174	1.114	1.144	0.987
1000	0.791	0.758	0.775	0.618
500	0.458	0.472	0.465	0.308
250	0.335	0.347	0.341	0.184
125	0.226	0.236	0.231	0.074
0	0.153	0.160	0.157	?

Msds

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