Human Insulin-like growth factor 2 mRNA-binding protein 3(IGF2BP3) ELISA kit

Product Code	CSB-EL011092HU
Abbreviation	IGF2BP3
Target Name	insulin-like growth factor 2 mRNA binding protein 3
Uniprot No.	O00425
Alias	CT98, DKFZp686F1078, IMP-3, IMP3, KOC1, VICKZ3, IGF II mRNA binding protein 3|IGF-II mRNA-binding protein 3|KH domain containing protein overexpressed in cancer|cancer/testis antigen 98
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	37.5 pg/mL-2400 pg/mL
Sensitivity	9.37 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	IGF2BP3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human IGF2BP3 ELISA Kit was designed for the quantitative measurement of Human IGF2BP3 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 37.5 pg/mL-2400 pg/mL and the sensitivity is 9.37 pg/mL.
Target Details	This protein is primarily found in the nucleolus, where it can bind to the 5 UTR of the insulin-like growth factor II leader 3 mRNA and may repress translation of insulin-like growth factor II during late development. The encoded protein contains several KH domains, which are important in RNA binding and are known to be involved in RNA synthesis and metabolism. A pseudogene exists on chromosome 7, and there are putative pseudogenes on other chromosomes.
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 IGF2BP3 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 %	91
	Range %	86-95
1:2	Average %	102
	Range %	97-107
1:4	Average %	91
	Range %	85-97
1:8	Average %	97
	Range %	91-103

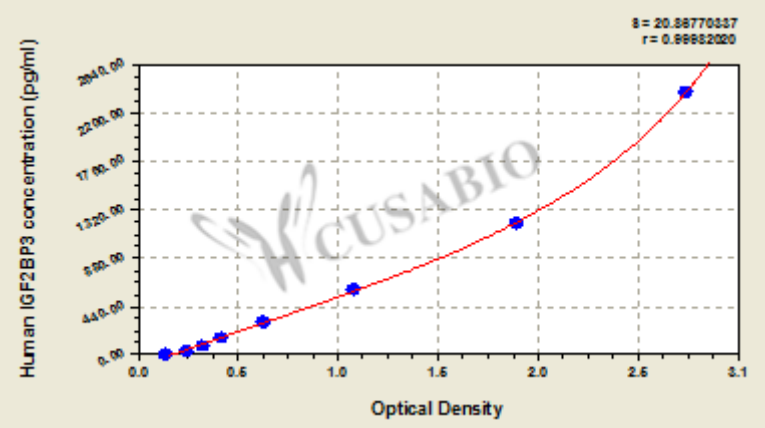
Recovery

The recovery of human IGF2BP3 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)	92	88-96
EDTA plasma (n=4)	97	93-102

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
2400	2.784	2.799	2.792	2.640
1200	1.956	1.906	1.931	1.779
600	1.095	1.123	1.109	0.957
300	0.637	0.665	0.651	0.499
150	0.419	0.451	0.435	0.283
75	0.338	0.342	0.340	0.188
37.5	0.247	0.268	0.258	0.106
0	0.151	0.153	0.152	

Msds	{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL011092HU.pdf","filename":"MSDS"}}