



Human U3 small nucleolar ribonucleoprotein protein IMP3(IMP3) ELISA kit

Product Code	CSB-EL011692HU
Protein Biological Process 2	Alkaloid biosynthesis and metabolism
Abbreviation	IMP3
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast)
Uniprot No.	Q9NV31
Alias	BRMS2, C15orf12, DKFZp586L0118, FLJ10968, MRPS4, IMP3, U3 small nucleolar ribonucleoprotein OTTHUMP00000183524 U3 snoRNP protein 3 homolog
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Ribosome biogenesis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	39 pg/mL-2500 pg/mL
Sensitivity	9.75 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	Metabolism
Gene Names	IMP3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human IMP3 ELISA Kit was designed for the quantitative measurement of Human IMP3 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 39 pg/mL-2500 pg/mL and the sensitivity is 9.75 pg/mL.
Target Details	This gene encodes the human homolog of the yeast Imp3 protein. The protein



localizes to the nucleoli and interacts with the U3 snoRNP complex. The protein contains an S4 domain.

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 IMP3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

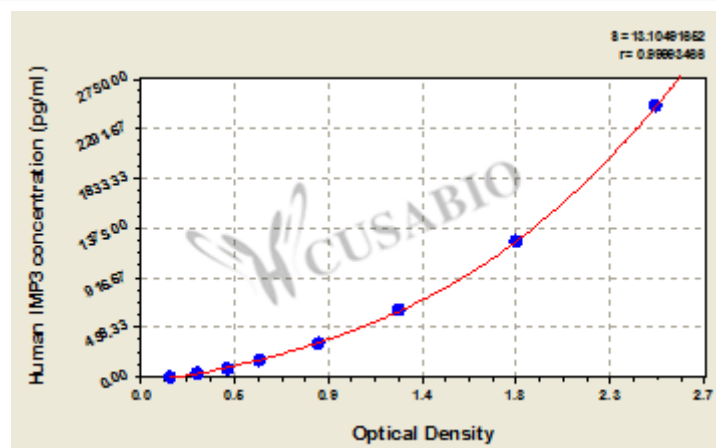
?	Sample	Serum(n=4)
1:1	Average %	95
	Range %	89-99
1:2	Average %	97
	Range %	91-103
1:4	Average %	92
	Range %	87-98
1:8	Average %	89
	Range %	85-93

Recovery

The recovery of human IMP3 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)	102	98-105
EDTA plasma (n=4)	86	80-91

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
2500	2.445	2.555	2.500	2.344
1250	1.791	1.861	1.826	1.670
625	1.232	1.287	1.260	1.104
312	0.866	0.877	0.872	0.716
156	0.580	0.593	0.587	0.431
78	0.437	0.424	0.431	0.275
39	0.283	0.289	0.286	0.130
0	0.155	0.156	0.156	?

Msd

```
{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL011692HU.pdf","filename":"MSDS"}}
```