



Human Uncharacterized protein C9orf72(C9orf72) ELISA kit

Product Code	CSB-EL004345HU
Abbreviation	C9orf72
Target Name	chromosome 9 open reading frame 72
Uniprot No.	Q96LT7
Alias	MGC23980, RP11-27J8.2, OTTHUMP00000021172 hypothetical protein LOC203228
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Neuroscience
Gene Names	C9orf72
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human C9orf72 ELISA Kit was designed for the quantitative measurement of Human C9orf72 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/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 human C9orf72 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 %	88
	Range %	84-92
1:2	Average %	100
	Range %	95-105
1:4	Average %	87
	Range %	83-91
1:8	Average %	104
	Range %	100-108

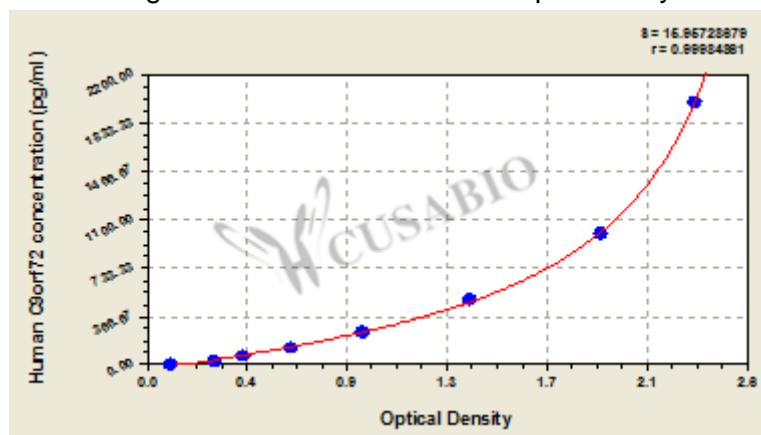
Recovery

The recovery of human C9orf72 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)	86	83-89
EDTA plasma (n=4)	91	89-95

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
2000	2.277	2.398	2.338	2.231
1000	1.947	1.930	1.939	1.832
500	1.393	1.375	1.384	1.277
250	0.911	0.935	0.923	0.816
125	0.605	0.641	0.623	0.516
62.5	0.401	0.432	0.417	0.310
31.25	0.288	0.298	0.293	0.186
0	0.106	0.108	0.107	

Msds

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