



Human Cold-inducible RNA-binding protein(CIRBP) ELISA kit

Product Code	CSB-EL005440HU
Abbreviation	CIRBP
Protein Biological Process 1	Neurobiology
Target Name	cold inducible RNA binding protein
Uniprot No.	Q14011
Alias	CIRP, Cold-inducible RNA-binding protein cold inducible RNA-binding protein glycine-rich RNA binding protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Stress response
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	12.5 pg/mL-800 pg/mL
Sensitivity	3.12 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	CIRBP
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CIRBP ELISA Kit was designed for the quantitative measurement of Human CIRBP protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 12.5 pg/mL-800 pg/mL and the sensitivity is 3.12 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 CIRBP 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 %	94
1:5	Range %	89-98
	Average %	95
1:10	Range %	91-99
	Average %	89
1:20	Range %	85-95
	Average %	92
1:40	Range %	86-99

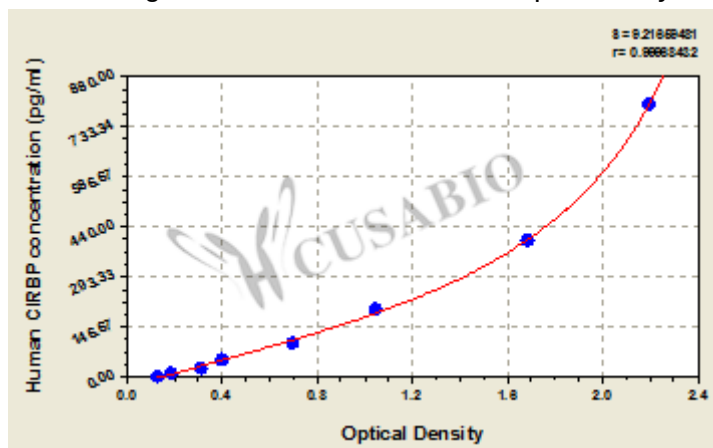
Recovery

The recovery of human CIRBP 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	84-99
EDTA plasma (n=4)	98	90-105

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
800	2.115	2.215	2.165	2.024
400	1.617	1.717	1.667	1.526
200	1.057	1.017	1.037	0.896
100	0.692	0.702	0.697	0.556
50	0.398	0.408	0.403	0.262
25	0.311	0.321	0.316	0.175
12.5	0.199	0.195	0.197	0.056
0	0.141	0.140	0.141	?

Msds

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