



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

Product Code	CSB-EL005440MO
Abbreviation	CIRBP
Protein Biological Process 1	Neurobiology
Target Name	cold inducible RNA binding protein
Uniprot No.	P60824
Alias	CIRP, Cold-inducible RNA-binding protein cold inducible RNA-binding protein glycine-rich RNA binding protein
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Stress response
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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 Mouse CIRBP ELISA Kit was designed for the quantitative measurement of Mouse CIRBP protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 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 mouse 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 %	89
1:1	Range %	85-94
	Average %	102
1:2	Range %	96-107
	Average %	92
1:4	Range %	87-98
	Average %	94
1:8	Range %	89-98

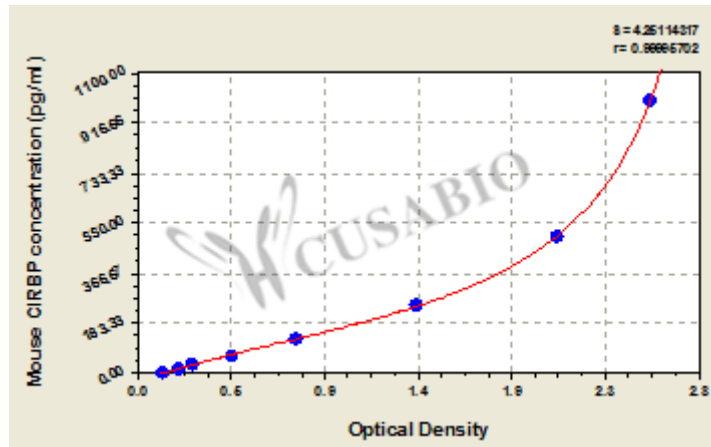
Recovery

The recovery of mouse 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)	98	93-102
EDTA plasma (n=4)	103	92-107

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
1000	2.490	2.567	2.529	2.397
500	2.021	2.123	2.072	1.940
250	1.415	1.341	1.378	1.246
125	0.791	0.782	0.787	0.655
62.5	0.469	0.473	0.471	0.339
31.25	0.289	0.271	0.280	0.148
15.6	0.210	0.214	0.212	0.080
0	0.131	0.132	0.132	?

Msds

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