



Mouse cAMP response element binding protein(CREB)ELISA Kit

Product Code	CSB-E15860m		
Abbreviation	CREB		
Target Name	cAMP response element binding protein(CREB)		
Uniprot No.	Q01147		
Alias	N/A		
Product Type	ELISA Kit		
Immunogen Species	Mus musculus (Mouse)		
Sample Types	serum, plasma, cell culture supernates		
Detection Range	3.12 pg/mL-200 pg/mL		
Sensitivity	0.78 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	Creb1		
Tag Info	quantitative		
Protein Description	Sandwich		
Description	This Mouse CREB ELISA Kit was designed for the quantitative measurement of Mouse CREB protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 0.78 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 CREB in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <tr> <td>Sample</td><td>Serum(n=4)</td></tr> </table>	Sample	Serum(n=4)
Sample	Serum(n=4)		



1:100	Average %	95
	Range %	87-103
1:200	Average %	94
	Range %	86-105
1:400	Average %	96
	Range %	91-101
1:800	Average %	90
	Range %	85-100

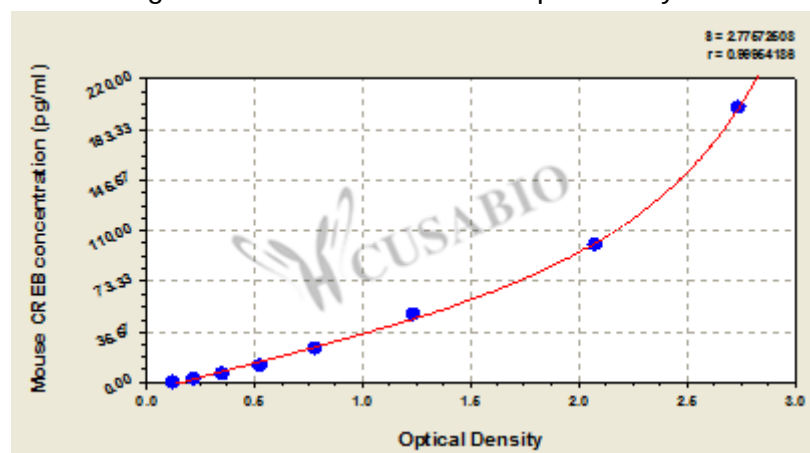
Recovery

The recovery of mouse CREB 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)	97	83-105
EDTA plasma (n=4)	95	87-101

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
200	2.786	2.723	2.755	2.619
100	2.128	2.054	2.091	1.955
50	1.264	1.225	1.245	1.109
25	0.772	0.809	0.791	0.655
12.5	0.548	0.534	0.541	0.405
6.25	0.351	0.366	0.359	0.223
3.12	0.239	0.224	0.232	0.096
0	0.137	0.134	0.136	

Msds

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