



Mouse High mobility group protein B1, HMGB-1 ELISA Kit

Product Code	CSB-E08225m
Abbreviation	HMGB1
Target Name	high-mobility group box 1
Uniprot No.	P63158
Alias	DKFZp686A04236, HMG1, HMG3, SBP-1, Amphoterin OTTHUMP00000018196 OTTHUMP00000190860 OTTHUMP00000200117 Sulfoglucuronyl carbohydrate binding protein high mobility group box 1 high mobility group prot
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
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	Epigenetics and Nuclear Signaling
Gene Names	Hmgb1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse HMGB1 ELISA Kit was designed for the quantitative measurement of Mouse HMGB1 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 HMGB-1 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)
1:100	Average %	92
	Range %	80-98
1:200	Average %	85
	Range %	81-96
1:400	Average %	97
	Range %	90-104
1:800	Average %	95
	Range %	82-98

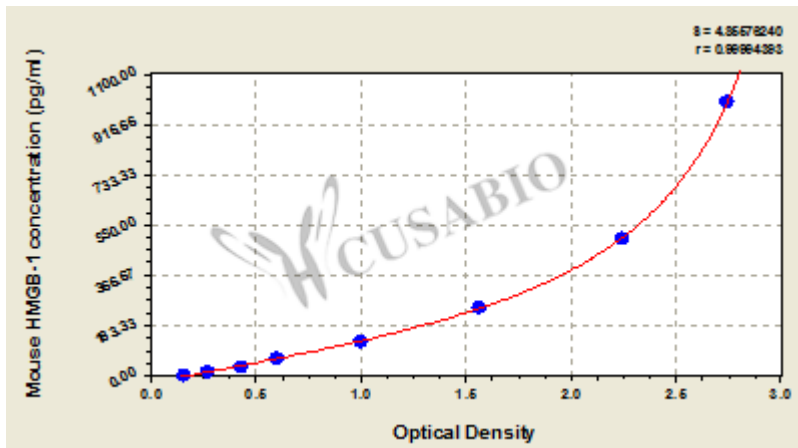
Recovery

The recovery of mouse HMGB-1 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	95-100
EDTA plasma (n=4)	95	90-102

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	2.756	2.712	2.734	2.565
500	2.223	2.251	2.237	2.068
250	1.547	1.572	1.560	1.391
125	1.020	0.986	1.003	0.834
62.5	0.598	0.621	0.610	0.441
31.2	0.452	0.432	0.442	0.273
15.6	0.287	0.275	0.281	0.112
0	0.173	0.164	0.169	?

Msds

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