



Mouse 4-Hydroxynonenal (HNE)ELISA Kit

Product Code	CSB-E13412m																						
Abbreviation	HNE																						
Target Name	4-Hydroxynonenal (HNE)																						
Product Type	ELISA Kit																						
Immunogen Species	Mus musculus (Mouse)																						
Sample Types	serum, plasma																						
Detection Range	15.6 pmol/mL-1000 pmol/mL																						
Sensitivity	3.9 pmol/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	Signal Transduction																						
Tag Info	quantitative																						
Protein Description	Sandwich																						
Description	This Mouse HNE ELISA Kit was designed for the quantitative measurement of Mouse HNE protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 15.6 pmol/mL-1000 pmol/mL and the sensitivity is 3.9 pmol/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 HNE in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <tr> <td>?</td><td>Sample</td><td>Serum(n=4)</td></tr> <tr> <td>1:1</td><td>Average %</td><td>92</td></tr> <tr> <td></td><td>Range %</td><td>87-98</td></tr> <tr> <td>1:2</td><td>Average %</td><td>96</td></tr> <tr> <td></td><td>Range %</td><td>91-103</td></tr> <tr> <td>1:4</td><td>Average %</td><td>94</td></tr> <tr> <td></td><td>Range %</td><td>90-99</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	92		Range %	87-98	1:2	Average %	96		Range %	91-103	1:4	Average %	94		Range %	90-99
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1:8	Average %	94
	Range %	88-98

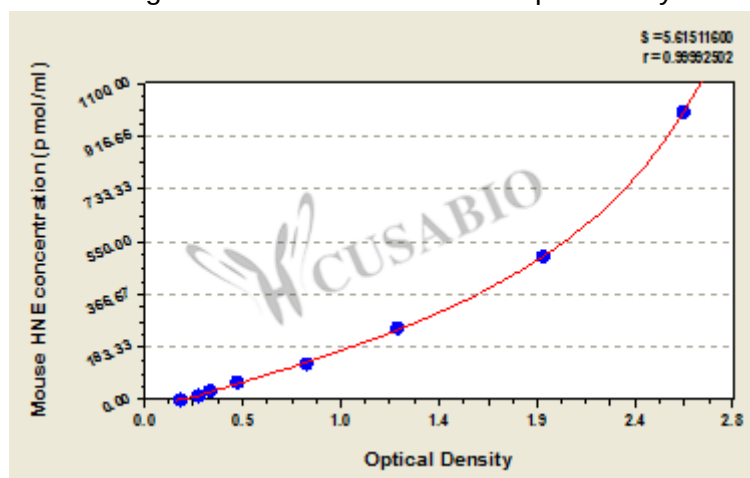
Recovery

The recovery of mouse HNE 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	89-97
EDTA plasma (n=4)	94	90-99

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pmol/ml	OD1	OD2	Average	Corrected
1000	2.608	2.555	2.582	2.392
500	1.939	1.897	1.918	1.728
250	1.227	1.212	1.220	1.030
125	0.821	0.759	0.790	0.600
62.5	0.468	0.450	0.459	0.269
31.2	0.331	0.328	0.330	0.140
15.6	0.278	0.271	0.275	0.085
0	0.192	0.188	0.190	?

Msds

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