



Mouse matrix metalloproteinase 1,MMP-1 ELISA kit

Product Code	CSB-E07417m																								
Abbreviation	MMP-1																								
Target Name	matrix metalloproteinase 1,MMP-1																								
Uniprot No.	Q9EPL5																								
Alias	N/A																								
Product Type	ELISA Kit																								
Immunogen Species	Mus musculus (Mouse)																								
Sample Types	serum, plasma, cell culture supernates, tissue homogenates																								
Detection Range	47 pg/mL-3000 pg/mL																								
Sensitivity	11.75 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	Cancer																								
Gene Names	Mmp1a																								
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 MMP-1 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 rowspan="2">1:20</td><td>Average %</td><td>91</td></tr> <tr> <td>Range %</td><td>86-95</td></tr> <tr> <td rowspan="2">1:40</td><td>Average %</td><td>100</td></tr> <tr> <td>Range %</td><td>97-103</td></tr> <tr> <td rowspan="2">1:80</td><td>Average %</td><td>91</td></tr> <tr> <td>Range %</td><td>87-95</td></tr> <tr> <td rowspan="2">1:160</td><td>Average %</td><td>97</td></tr> <tr> <td>Range %</td><td>93-100</td></tr> </table>		?	Sample	Serum(n=4)	1:20	Average %	91	Range %	86-95	1:40	Average %	100	Range %	97-103	1:80	Average %	91	Range %	87-95	1:160	Average %	97	Range %	93-100
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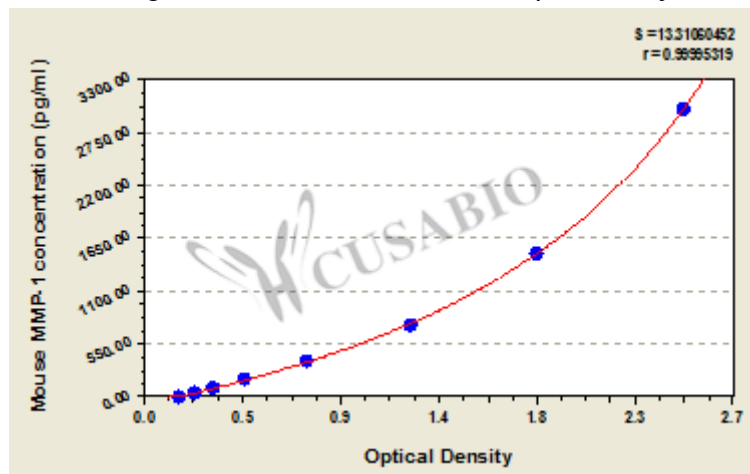
Recovery

The recovery of mouse MMP-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)	94	89-97
EDTA plasma (n=4)	96	90-98

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
3000	2.482	2.510	2.496	2.317
1500	1.855	1.786	1.821	1.642
750	1.246	1.232	1.239	1.060
375	0.748	0.774	0.761	0.582
187.5	0.495	0.456	0.476	0.297
93.75	0.322	0.339	0.331	0.152
46.88	0.253	0.242	0.248	0.069
0	0.180	0.178	0.179	?

Msds

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