



Canine Matrix metalloproteinase 1,MMP-1 ELISA kit

Product Code	CSB-E14057c										
Abbreviation	MMP-1										
Target Name	Matrix metalloproteinase 1,MMP-1										
Product Type	ELISA Kit										
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)										
Sample Types	serum, plasma, tissue homogenates										
Detection Range	0.18 ng/mL-12 ng/mL										
Sensitivity	0.04 ng/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										
Tag Info	quantitative										
Protein Description	Sandwich										
Description	This Dog MMP-1 ELISA Kit was designed for the quantitative measurement of Dog MMP-1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.18 ng/mL-12 ng/mL and the sensitivity is 0.04 ng/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 canine 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>1:1</td><td>Average %</td><td>93</td></tr> <tr> <td></td><td>Range %</td><td>85-102</td></tr> </table>			Sample	Serum(n=4)	1:1	Average %	93		Range %	85-102
	Sample	Serum(n=4)									
1:1	Average %	93									
	Range %	85-102									



1:2	Average %	89
	Range %	85-99
1:4	Average %	94
	Range %	85-97
1:8	Average %	90
	Range %	83-98

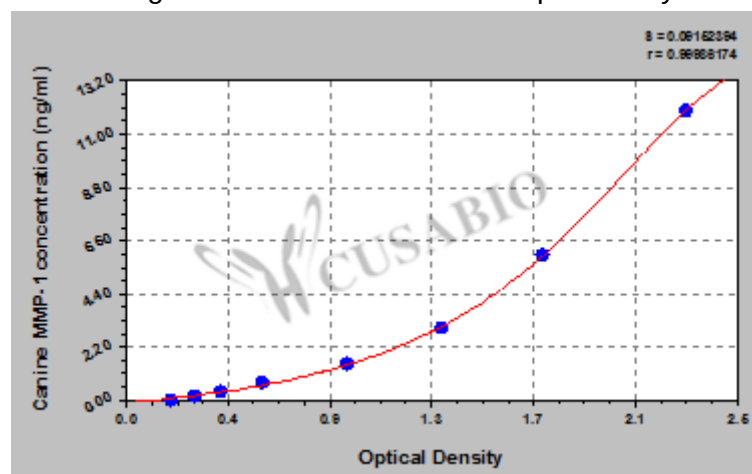
Recovery

The recovery of canine 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	82-98
EDTA plasma (n=4)	97	89-100

Typical

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



ng/ml	OD1	OD2	Average	Corrected
12	2.309	2.326	2.318	2.114
6	1.754	1.699	1.727	1.523
3	1.301	1.338	1.320	1.116
1.5	0.931	0.920	0.926	0.722
0.75	0.573	0.585	0.579	0.375
0.37	0.412	0.407	0.410	0.206
0.18	0.299	0.303	0.301	0.097
0	0.201	0.206	0.204	

Msds

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