



Canine Matrix metalloproteinase 13,MMP-13

ELISA kit

Product Code	CSB-E14055c										
Abbreviation	MMP-13										
Target Name	Matrix metalloproteinase 13,MMP-13										
Uniprot No.	F1PVS9										
Product Type	ELISA Kit										
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)										
Sample Types	serum, plasma, cell culture supernates, tissue homogenates										
Detection Range	0.156 ng/mL-10 ng/mL										
Sensitivity	0.039 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-13 ELISA Kit was designed for the quantitative measurement of Dog MMP-13 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 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-13 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>88-99</td></tr> </table>			Sample	Serum(n=4)	1:1	Average %	93		Range %	88-99
	Sample	Serum(n=4)									
1:1	Average %	93									
	Range %	88-99									



1:2	Average %	99
	Range %	95-106
1:4	Average %	87
	Range %	84-92
1:8	Average %	91
	Range %	85-98

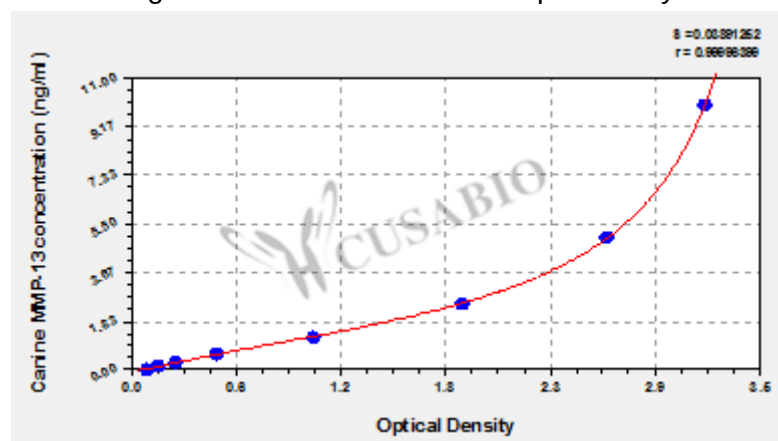
Recovery

The recovery of canine MMP-13 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)	91	87-95
EDTA plasma (n=4)	88	85-92

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
10	3.160	3.255	3.208	3.107
5	2.614	2.712	2.663	2.562
2.5	1.784	1.932	1.858	1.757
1.25	1.026	1.030	1.028	0.927
0.625	0.478	0.487	0.483	0.382
0.312	0.264	0.256	0.260	0.159
0.156	0.156	0.166	0.161	0.060
0	0.105	0.097	0.101	

Msds

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