



Pig matrix metalloproteinase 2/Gelatinase A,MMP-2 ELISA kit

Product Code	CSB-E12842p		
Abbreviation	MMP2/Gelatinase A		
Target Name	matrix metalloproteinase 2/Gelatinase A,MMP-2		
Uniprot No.	F1RF11		
Alias	N/A		
Product Type	ELISA Kit		
Immunogen Species	Sus scrofa (Pig)		
Sample Types	serum, plasma, cell culture supernates, tissue homogenates		
Detection Range	47 ng/mL-3000 ng/mL		
Sensitivity	11.75 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 Pig MMP2/Gelatinase A ELISA Kit was designed for the quantitative measurement of Pig MMP2/Gelatinase A protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 47 ng/mL-3000 ng/mL and the sensitivity is 11.75 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 pig MMP-2 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <tr> <td>Sample</td><td>Serum(n=4)</td></tr> </table>	Sample	Serum(n=4)
Sample	Serum(n=4)		



1:1	Average %	94
	Range %	92-97
1:2	Average %	103
	Range %	99-105
1:4	Average %	93
	Range %	89-98
1:8	Average %	92
	Range %	87-99

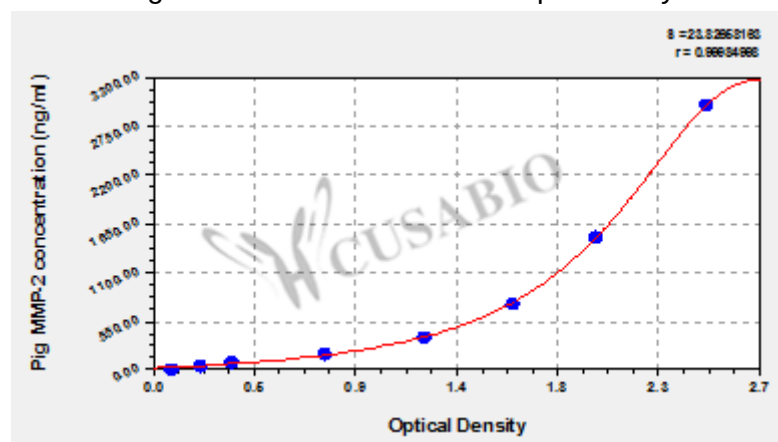
Recovery

The recovery of pig MMP-2 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)	95	91-97
EDTA plasma (n=4)	90	86-93

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
3000	2.437	2.506	2.472	2.379
1500	1.988	1.966	1.977	1.884
750	1.565	1.646	1.606	1.513
375	1.163	1.259	1.211	1.118
187.5	0.774	0.764	0.769	0.676
94	0.352	0.367	0.360	0.267
47	0.222	0.214	0.218	0.125
0	0.096	0.089	0.093	

Msds

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