



Pig Mucin-2,MUC2 ELISA Kit

Product Code	CSB-E15066p																			
Abbreviation	MUC2																			
Target Name	Mucin-2,MUC2																			
Product Type	ELISA Kit																			
Immunogen Species	Sus scrofa (Pig)																			
Sample Types	serum, plasma, tissue homogenates																			
Detection Range	7.8 ng/mL-500 ng/mL																			
Sensitivity	1.95 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	Signal Transduction																			
Tag Info	quantitative																			
Protein Description	Sandwich																			
Description	This Pig MUC2 ELISA Kit was designed for the quantitative measurement of Pig MUC2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 7.8 ng/mL-500 ng/mL and the sensitivity is 1.95 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 mucin-2 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <thead> <tr> <th></th><th>Sample</th><th>Serum(n=4)</th></tr> </thead> <tbody> <tr> <td rowspan="2">1:1</td><td>Average %</td><td>91</td></tr> <tr> <td>Range %</td><td>87-94</td></tr> <tr> <td rowspan="2">1:2</td><td>Average %</td><td>97</td></tr> <tr> <td>Range %</td><td>92-101</td></tr> <tr> <td rowspan="2">1:4</td><td>Average %</td><td>90</td></tr> <tr> <td>Range %</td><td>87-98</td></tr> </tbody> </table>			Sample	Serum(n=4)	1:1	Average %	91	Range %	87-94	1:2	Average %	97	Range %	92-101	1:4	Average %	90	Range %	87-98
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	Range %	92-101																		
1:4	Average %	90																		
	Range %	87-98																		



1:8	Average %	92
	Range %	85-95

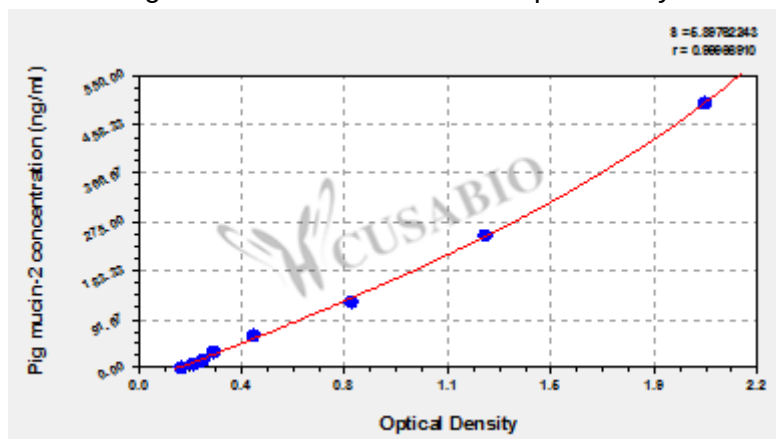
Recovery

The recovery of pig mucin-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)	93	88-96
EDTA plasma (n=4)	98	95-102

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
500	1.976	2.121	2.049	1.885
250	1.303	1.210	1.257	1.093
125	0.774	0.784	0.779	0.615
62.5	0.428	0.425	0.427	0.263
31.25	0.296	0.274	0.285	0.121
15.62	0.235	0.250	0.243	0.079
7.8	0.208	0.207	0.208	0.044
0	0.158	0.169	0.164	

Msds

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