



Guinea pig Substance P(SP)ELISA Kit

Product Code	CSB-E17137Gp																			
Abbreviation	SP																			
Target Name	pig Substance P(SP)																			
Alias	N/A																			
Product Type	ELISA Kit																			
Immunogen Species	Cavia porcellus (Guinea pig)																			
Sample Types	serum, plasma																			
Detection Range	47 pg/mL-3000 pg/mL																			
Sensitivity	11.8 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	Neuroscience																			
Tag Info	quantitative																			
Protein Description	Sandwich																			
Description	<p>This Guinea pig Substance P (SP) ELISA Kit was designed for the quantitative measurement of Guinea pig Substance P (SP) protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 47 pg/mL-3000 pg/mL and the sensitivity is 11.8 pg/mL.</p>																			
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>																			
Linearity	<p>To assess the linearity of the assay, samples were spiked with high concentrations of guinea pig SP in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <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>94</td></tr> <tr> <td>Range %</td><td>85-106</td></tr> <tr> <td rowspan="2">1:2</td><td>Average %</td><td>89</td></tr> <tr> <td>Range %</td><td>82-100</td></tr> <tr> <td rowspan="2">1:4</td><td>Average %</td><td>94</td></tr> <tr> <td>Range %</td><td>83-102</td></tr> </tbody> </table>			Sample	Serum(n=4)	1:1	Average %	94	Range %	85-106	1:2	Average %	89	Range %	82-100	1:4	Average %	94	Range %	83-102
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1:8	Average %	95
	Range %	81-102

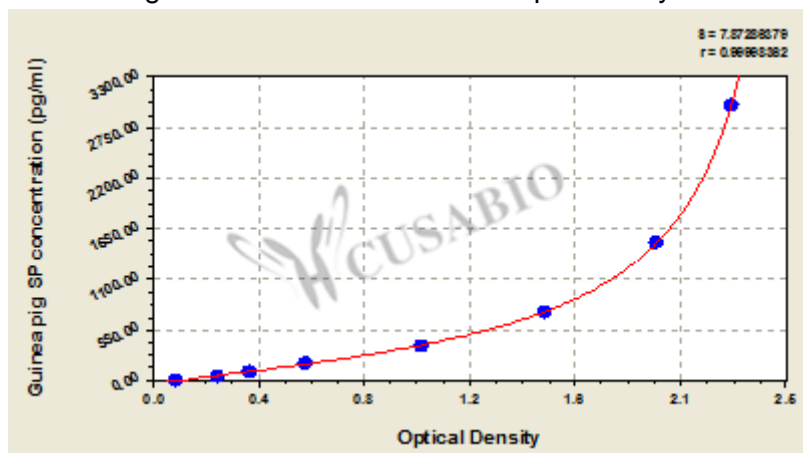
Recovery

The recovery of guinea pig SP 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)	88	84-93
EDTA plasma (n=4)	95	90-100

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	2.293	2.211	2.252	2.158
1500	1.974	1.952	1.963	1.869
750	1.506	1.543	1.525	1.431
375	1.059	1.032	1.046	0.952
187.5	0.602	0.593	0.598	0.504
94	0.377	0.384	0.381	0.287
47	0.263	0.251	0.257	0.163
0	0.096	0.092	0.094	

Msds

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