



Pig calcitonin gene related peptide(CGRP)ELISA Kit

Product Code	CSB-E16438p										
Abbreviation	CGRP										
Target Name	calcitonin gene related peptide(CGRP)										
Uniprot No.	A6P7L6										
Product Type	ELISA Kit										
Immunogen Species	Sus scrofa (Pig)										
Sample Types	serum, plasma, tissue homogenates										
Detection Range	31.25 pg/mL-2000 pg/mL										
Sensitivity	7.81 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	Signal Transduction										
Tag Info	quantitative										
Protein Description	Sandwich										
Description	This Pig CGRP ELISA Kit was designed for the quantitative measurement of Pig CGRP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/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 CGRP 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>89</td></tr> <tr> <td></td><td>Range %</td><td>84-94</td></tr> </table>			Sample	Serum(n=4)	1:1	Average %	89		Range %	84-94
	Sample	Serum(n=4)									
1:1	Average %	89									
	Range %	84-94									



1:2	Average %	102
	Range %	97-107
1:4	Average %	99
	Range %	96-102
1:8	Average %	98
	Range %	94-102

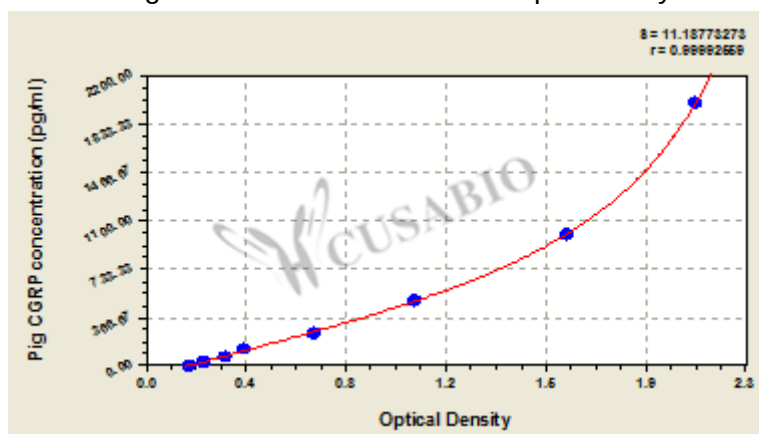
Recovery

The recovery of pig CGRP 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	90-96
EDTA plasma (n=4)	97	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
2000	2.028	2.204	2.116	1.932
1000	1.560	1.687	1.624	1.440
500	1.049	1.034	1.042	0.858
250	0.665	0.647	0.656	0.472
125	0.377	0.398	0.388	0.204
62.5	0.312	0.325	0.319	0.135
31.25	0.236	0.241	0.239	0.055
0	0.182	0.185	0.184	

Msds

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