



Human calcitonin gene related peptide, CGRP ELISA Kit

Product Code	CSB-E08210h
Abbreviation	CGRP
Target Name	calcitonin gene related peptide, CGRP
Uniprot No.	P10092
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	1.56 pg/mL-100 pg/mL
Sensitivity	0.39 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
Gene Names	CALCB
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CGRP ELISA Kit was designed for the quantitative measurement of Human CGRP protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 pg/mL-100 pg/mL and the sensitivity is 0.39 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 human CGRP in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. ? Sample Serum(n=4)



1:1	Average %	85
	Range %	80-92
1:2	Average %	96
	Range %	91-105
1:4	Average %	97
	Range %	92-110
1:8	Average %	90
	Range %	86-98

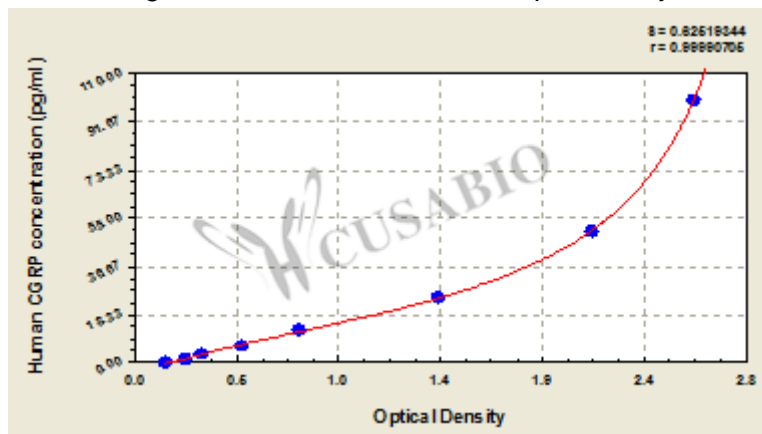
Recovery

The recovery of human 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)	94	89-98
EDTA plasma (n=4)	96	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
100	2.660	2.511	2.586	2.432
50	2.080	2.152	2.116	1.962
25	1.451	1.366	1.409	1.255
12.5	0.795	0.744	0.770	0.616
6.25	0.491	0.523	0.507	0.353
3.12	0.315	0.325	0.320	0.166
1.56	0.248	0.244	0.246	0.092
0	0.157	0.151	0.154	?

Msds

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