



Rat glucagon-like peptide-1, GLP-1 ELISA Kit

Product Code	CSB-E08117r
Abbreviation	Glp1
Target Name	glucagon-like peptide-1, GLP-1
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.625 pg/mL-40 pg/mL
Sensitivity	0.156 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	Metabolism
Gene Names	Gcg
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rat Glp1 ELISA Kit was designed for the quantitative measurement of Rat Glp1 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 pg/mL-40 pg/mL and the sensitivity is 0.156 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 rat GLP-1 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)
1:100	Average %	86
	Range %	84-95



1:200	Average %	95
	Range %	91-100
1:400	Average %	84
	Range %	81-89
1:800	Average %	92
	Range %	86-98

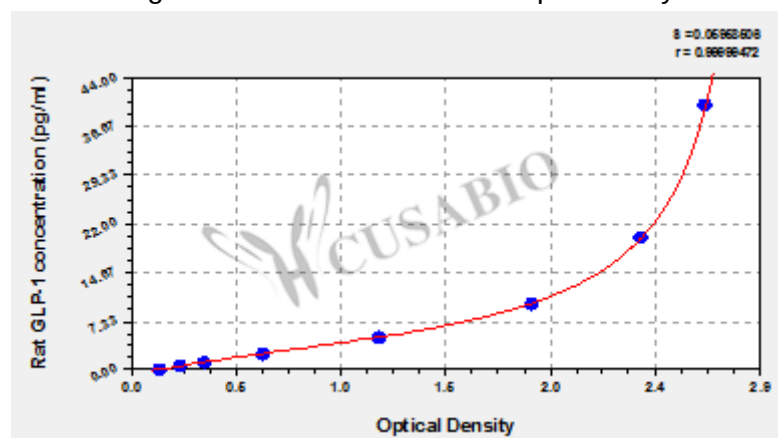
Recovery

The recovery of rat GLP-1 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)	91	87-96
EDTA plasma (n=4)	103	95-108

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
40	2.607	2.744	2.676	2.531
20	2.303	2.451	2.377	2.232
10	1.817	1.922	1.870	1.725
5	1.133	1.191	1.162	1.017
2.5	0.621	0.632	0.627	0.482
1.25	0.344	0.355	0.350	0.205
0.625	0.234	0.248	0.241	0.096
0	0.140	0.150	0.145	?

Msds

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