



Rat Orexin A ELISA Kit

Product Code	CSB-E08860r
Abbreviation	Orexin A
Target Name	Orexin A
Uniprot No.	O55232
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	Hcrt
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rat Orexin A ELISA Kit was designed for the quantitative measurement of Rat Orexin A protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 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 orexin A 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 %	93
	Range %	84-107
1:2	Average %	92
	Range %	86-99



1:4	Average %	95
	Range %	91-99
1:8	Average %	96
	Range %	90-103

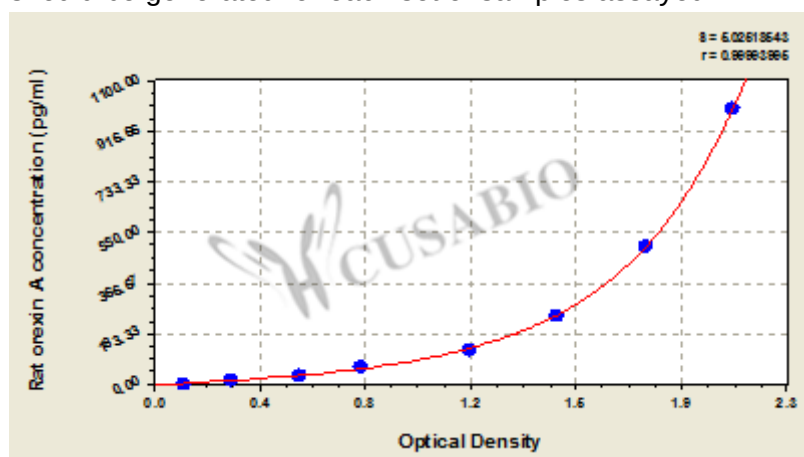
Recovery

The recovery of rat orexin A 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)	96	89-101
EDTA plasma (n=4)	88	83-95

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
1000	2.108	2.076	2.092	1.978
500	1.774	1.785	1.780	1.666
250	1.442	1.468	1.455	1.341
125	1.140	1.149	1.145	1.031
62.5	0.744	0.763	0.754	0.640
31.2	0.525	0.534	0.530	0.416
15.6	0.291	0.282	0.287	0.173
0	0.113	0.114	0.114	

Msds

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