



Human Leptin receptor,LR/Ob-R ELISA KIT

Product Code	CSB-E04647h					
Abbreviation	LEPR					
Target Name	leptin receptor					
Uniprot No.	P48357					
Alias	CD295, OBR, OB receptor OTTHUMP00000010694					
Product Type	ELISA Kit					
Immunogen Species	Homo sapiens (Human)					
Sample Types	serum, plasma, tissue homogenates					
Detection Range	3.12 pg/mL-200 pg/mL					
Sensitivity	0.78 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	LEPR					
Tag Info	quantitative					
Protein Description	Sandwich					
Description	This Human LEPR ELISA Kit was designed for the quantitative measurement of Human LEPR protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 0.78 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 LR/Ob-R 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></table>			?	Sample	Serum(n=4)
?	Sample	Serum(n=4)				



1:200	Average %	90
	Range %	86-93
1:400	Average %	100
	Range %	97-103
1:800	Average %	94
	Range %	89-97
1:1600	Average %	98
	Range %	94-101

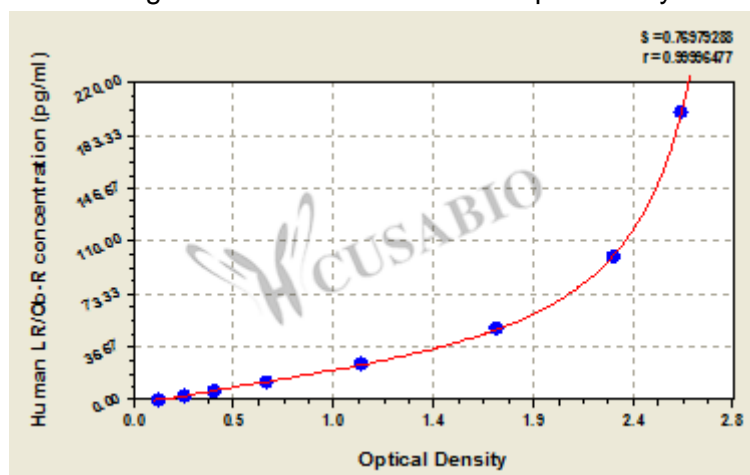
Recovery

The recovery of human LR/Ob-R 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	91-97
EDTA plasma (n=4)	97	92-99

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
200	2.600	2.584	2.592	2.469
100	2.319	2.222	2.271	2.148
50	1.725	1.711	1.718	1.595
25	1.099	1.068	1.084	0.961
12.5	0.628	0.644	0.636	0.513
6.25	0.382	0.393	0.388	0.265
3.12	0.243	0.257	0.250	0.127
0	0.122	0.124	0.123	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E04647h.pdf","filename":"MSDS"}}