Human very low density lipoprotein receptor,VLDLR ELISA Kit

Product Code	CSB-E08951h
Protein Biological Process 2	Lipogenesis and lipometabolism
Abbreviation	VLDLR
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	very low density lipoprotein receptor
Uniprot No.	P98155
Alias	RP11-320E16.1, CHRMQ1, FLJ35024, VLDLRCH,
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cholesterol metabolism
Sample Types	serum, plasma
Detection Range	1.25 ng/mL-80 ng/mL
Sensitivity	0.31 ng/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	VLDLR
Tag Info	quantitative
Protein Description	Sandwich
Description	
	This Human VLDLR ELISA Kit was designed for the quantitative measurement of Human VLDLR protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 1.25 ng/mL-80 ng/mL and the sensitivity is 0.31 ng/mL.
Target Details	The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. This gene encodes a lipoprotein receptor that is a member of the LDLR family and plays important roles in VLDL-triglyceride metabolism and the reelin signaling

pathway. Mutations in this gene cause VLDLR-associated cerebellar hypoplasia. Alternative splicing generates multiple transcript variants encoding distinct isoforms for this gene.

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 VLDLR 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 %	91
	Range %	86-95
1:2	Average %	102
	Range %	97-107
1:4	Average %	91
	Range %	85-97
1:8	Average %	97
	Range %	91-103

Recovery

The recovery of human VLDLR 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)	95	89-98
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.
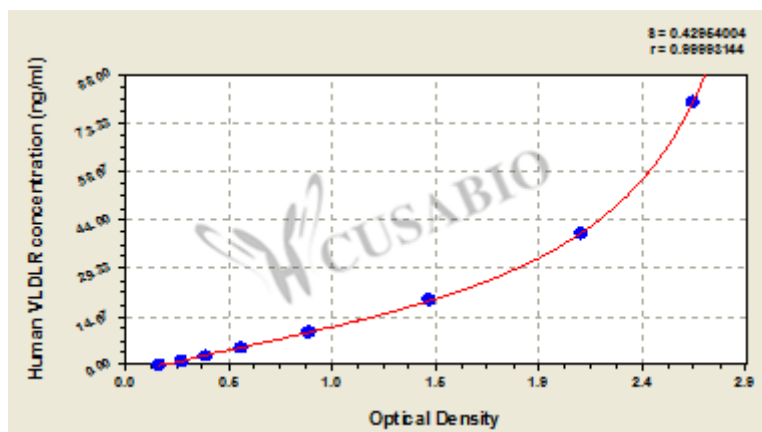
ng/ml	OD1	OD2	Average	Corrected
80	2.612	2.699	2.656	2.484
40	2.173	2.107	2.140	1.968
20	1.428	1.438	1.433	1.261
10	0.898	0.842	0.870	0.698
5	0.546	0.569	0.558	0.386
2.5	0.393	0.389	0.391	0.219
1.25	0.275	0.279	0.277	0.105
0	0.171	0.173	0.172	

Msds

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