



Human cardiotrophin 1,CT-1 ELISA Kit

Product Code	CSB-E08454h
Abbreviation	CTF1
Target Name	cardiotrophin 1
Uniprot No.	Q16619
Alias	CT-1, CT1, cardiophin 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	1.95 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	Immunology
Gene Names	CTF1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CTF1 ELISA Kit was designed for the quantitative measurement of Human CTF1 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.95 pg/mL.
Target Details	This protein is a secreted cytokine that induces cardiac myocyte hypertrophy in vitro. It has been shown to bind and activate the ILST/gp130 receptor. Two transcript variants encoding different isoforms have been found 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 CT-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)
1:1	Average %	96
	Range %	87-105
1:2	Average %	95
	Range %	90-102
1:4	Average %	89
	Range %	83-97
1:8	Average %	95
	Range %	85-102

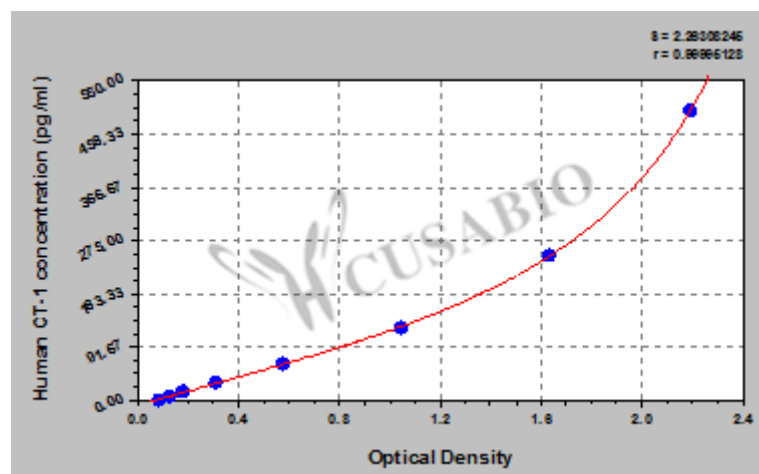
Recovery

The recovery of human CT-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)	97	92-99
EDTA plasma (n=4)	95	87-102

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
500	2.189	2.172	2.181	2.084
250	1.617	1.639	1.628	1.531
125	1.052	1.034	1.043	0.946
62.5	0.568	0.592	0.580	0.483
31.25	0.307	0.322	0.315	0.218
15.63	0.187	0.190	0.189	0.092
7.8	0.136	0.133	0.135	0.038
0	0.095	0.099	0.097	?

Msds

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