



Rat High density lipoprotein cholesterol, HDL-C ELISA kit

Product Code	CSB-E14399r														
Abbreviation	HDL-C														
Target Name	High density lipoprotein cholesterol, HDL-C														
Product Type	ELISA Kit														
Immunogen Species	Rattus norvegicus (Rat)														
Sample Types	serum, plasma, tissue homogenates														
Detection Range	93.75 ng/mL-6000 ng/mL														
Sensitivity	23.4 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	Others														
Tag Info	quantitative														
Protein Description	Sandwich														
Description	This Rat HDL-C ELISA Kit was designed for the quantitative measurement of Rat HDL-C protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 93.75 ng/mL-6000 ng/mL and the sensitivity is 23.4 ng/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 HDL-C 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><tr><td rowspan="2">1:200</td><td>Average %</td><td>87</td></tr><tr><td>Range %</td><td>83-89</td></tr><tr><td rowspan="2">1:400</td><td>Average %</td><td>99</td></tr><tr><td>Range %</td><td>95-102</td></tr></table>			Sample	Serum(n=4)	1:200	Average %	87	Range %	83-89	1:400	Average %	99	Range %	95-102
	Sample	Serum(n=4)													
1:200	Average %	87													
	Range %	83-89													
1:400	Average %	99													
	Range %	95-102													



1:800	Average %	90
	Range %	85-93
1:1600	Average %	99
	Range %	92-102

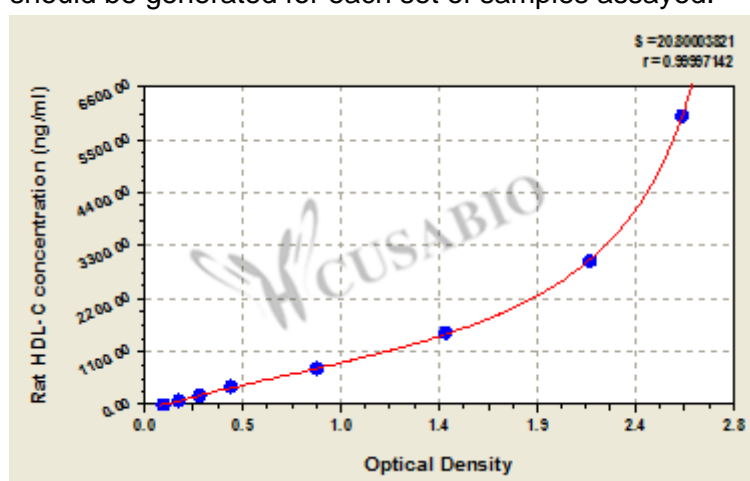
Recovery

The recovery of rat HDL-C 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	89-97
EDTA plasma (n=4)	107	101-109

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
6000	2.612	2.554	2.583	2.483
3000	2.122	2.158	2.140	2.040
1500	1.449	1.453	1.451	1.351
750	0.845	0.831	0.838	0.738
375	0.420	0.434	0.427	0.327
187.5	0.272	0.278	0.275	0.175
93.75	0.176	0.169	0.173	0.073
0	0.101	0.099	0.100	

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E14399r.pdf","filename":"MSDS"}}