



Human Beta-klotho(KLB) ELISA kit

Product Code	CSB-EL012378HU									
Abbreviation	KLB									
Target Name	klotho beta									
Uniprot No.	Q86Z14									
Alias	BKL, MGC142213, klotho beta like									
Product Type	ELISA Kit									
Immunogen Species	Homo sapiens (Human)									
Sample Types	serum, plasma, tissue homogenates, cell lysates									
Detection Range	62.5 pg/mL-4000 pg/mL									
Sensitivity	15.6 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	KLB									
Tag Info	quantitative									
Protein Description	Sandwich									
Description	This Human KLB ELISA Kit was designed for the quantitative measurement of Human KLB protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 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 KLB 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">1:1</td><td>Average %</td><td>102</td></tr><tr><td>Range %</td><td>96-105</td></tr></table>			Sample	Serum(n=4)	1:1	Average %	102	Range %	96-105
	Sample	Serum(n=4)								
1:1	Average %	102								
	Range %	96-105								



1:2	Average %	88
	Range %	84-92
1:4	Average %	94
	Range %	89-98
1:8	Average %	92
	Range %	88-94

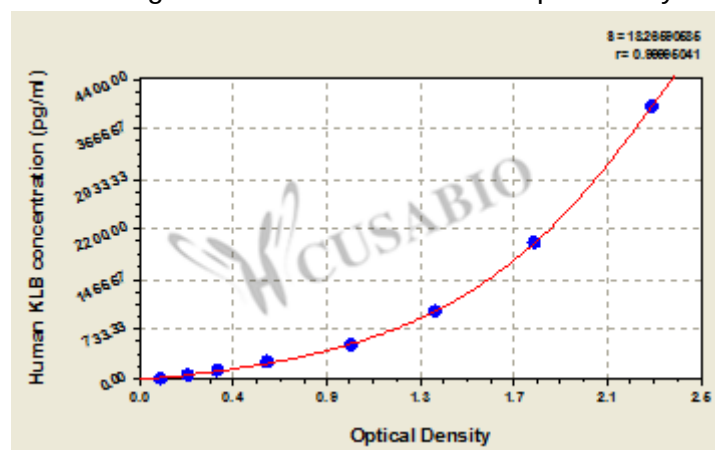
Recovery

The recovery of human KLB 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)	102	96-106
EDTA plasma (n=4)	88	82-92

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
4000	2.372	2.278	2.325	2.223
2000	1.746	1.844	1.795	1.693
1000	1.396	1.293	1.345	1.243
500	0.972	0.961	0.967	0.865
250	0.588	0.576	0.582	0.480
125	0.354	0.368	0.361	0.259
62.5	0.225	0.230	0.228	0.126
0	0.103	0.101	0.102	

Msds

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