



Human B-cell differentiation antigen CD72(CD72) ELISA kit

Product Code	CSB-EL004955HU
Abbreviation	CD72
Target Name	CD72 molecule
Uniprot No.	P21854
Alias	RP11-331F9.9, CD72b, LYB2, CD72 antigen OTTHUMP00000021342
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.9 ng/mL-60 ng/mL
Sensitivity	0.225 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	Immunology
Gene Names	CD72
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CD72 ELISA Kit was designed for the quantitative measurement of Human CD72 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.9 ng/mL-60 ng/mL and the sensitivity is 0.225 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 human CD72 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 %	98
	Range %	92-103
1:2	Average %	91
	Range %	86-98
1:4	Average %	92
	Range %	88-97
1:8	Average %	101
	Range %	96-115

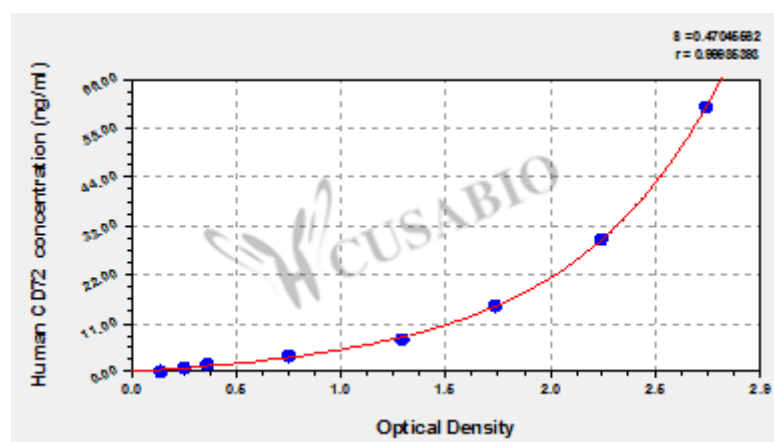
Recovery

The recovery of human CD72 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)	90	87-95
EDTA plasma (n=4)	101	103-106

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
60	2.588	2.787	2.688	2.535
30	2.169	2.236	2.203	2.050
15	1.674	1.744	1.709	1.556
7.5	1.322	1.223	1.273	1.120
3.75	0.752	0.744	0.748	0.595
1.8	0.363	0.375	0.369	0.216
0.9	0.261	0.255	0.258	0.105
0	0.149	0.156	0.153	?

Msds

{\"0\": {\"fileurl\": \"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL004955HU.pdf\", \"filename\": \"MSDS\"}}