



Human Soluble Cluster of differentiation 38,sCD38 ELISA Kit

Product Code	CSB-E09884h
Abbreviation	CD38
Target Name	CD38 molecule
Uniprot No.	P28907
Alias	T10, ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase CD38 antigen CD38 antigen (p45) cyclic ADP-ribose hydrolase
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
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	CD38
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CD38 ELISA Kit was designed for the quantitative measurement of Human CD38 protein in serum, plasma, tissue homogenates, cell lysates. 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.
Target Details	CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leukocytes. CD38 also functions in cell adhesion,signal transduction and calcium signaling.
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 sCD38 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)
1:5	Average %	95
	Range %	90-100
1:10	Average %	96
	Range %	92-101
1:20	Average %	94
	Range %	88-99
1:40	Average %	93
	Range %	86-100

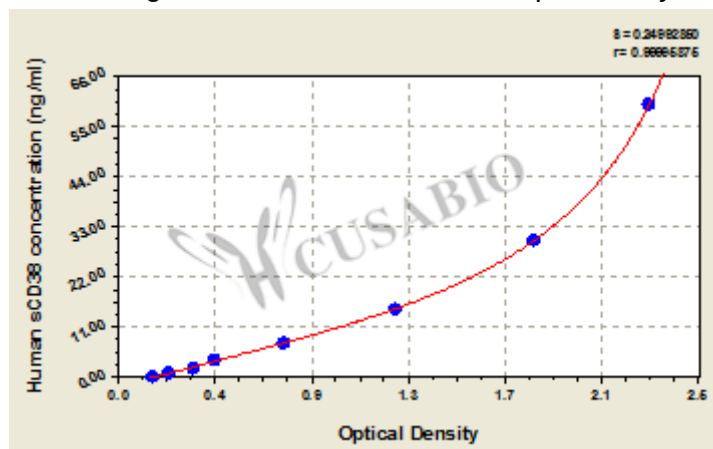
Recovery

The recovery of human sCD38 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)	89	82-96
EDTA plasma (n=4)	92	87-96

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	2.272	2.372	2.322	2.155
30	1.779	1.859	1.819	1.652
15	1.209	1.229	1.219	1.052
7.5	0.724	0.740	0.732	0.565
3.75	0.429	0.439	0.434	0.267
1.87	0.339	0.347	0.343	0.176
0.9	0.235	0.239	0.237	0.070
0	0.166	0.168	0.167	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E09884h.pdf","filename":"MSDS"}}