



Human Soluble Cluster of Differentiation 80 (sCD80) ELISA Kit

Product Code	CSB-E15768h
Abbreviation	CD80
Protein Biological Process 1	Immunity
Target Name	CD80 molecule
Uniprot No.	P33681
Alias	CD28LG, CD28LG1, LAB7, B-lymphocyte activation antigen B7 CD80 antigen CD80 antigen (CD28 antigen ligand 1, B7-1 antigen) costimulatory factor CD80 costimulatory molecule variant IgV-CD80
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Host-virus interaction
Sample Types	serum, plasma, cell culture supernates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	CD80
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CD80 ELISA Kit was designed for the quantitative measurement of Human CD80 protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 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 sCD80 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)
	Average %	103
1:1	Range %	99-107
	Average %	87
1:2	Range %	82-91
	Average %	96
1:4	Range %	92-100
	Average %	90
1:8	Range %	85-95

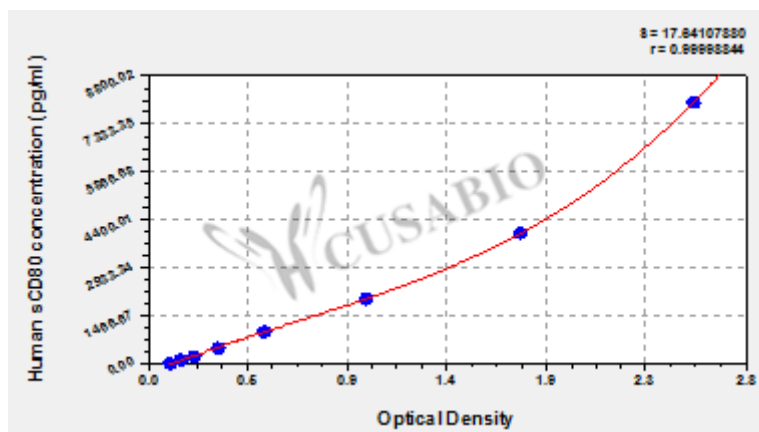
Recovery

The recovery of human sCD80 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)	85	80-89
EDTA plasma (n=4)	94	90-98

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
8000	2.618	2.485	2.552	2.435
4000	1.805	1.693	1.749	1.632
2000	1.004	1.047	1.026	0.909
1000	0.547	0.562	0.555	0.438
500	0.351	0.334	0.343	0.226
250	0.230	0.219	0.225	0.108
125	0.162	0.171	0.167	0.050
0	0.113	0.120	0.117	?

Msds

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