



Human CAMPATH-1 antigen(CD52) ELISA kit

Product Code	CSB-EL004943HU
Abbreviation	CD52
Target Name	CD52 molecule
Uniprot No.	P31358
Alias	CDW52, CD52 antigen CD52 antigen (CAMPATH-1 antigen) CDW52 antigen (CAMPATH-1 antigen)
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	78 ng/mL-5000 ng/mL
Sensitivity	19.5 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	CD52
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human CD52 ELISA Kit was designed for the quantitative measurement of Human CD52 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 78 ng/mL-5000 ng/mL and the sensitivity is 19.5 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 CD52 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 %	85
	Range %	80-90
1:2	Average %	98
	Range %	91-105
1:4	Average %	96
	Range %	92-100
1:8	Average %	96
	Range %	89-102

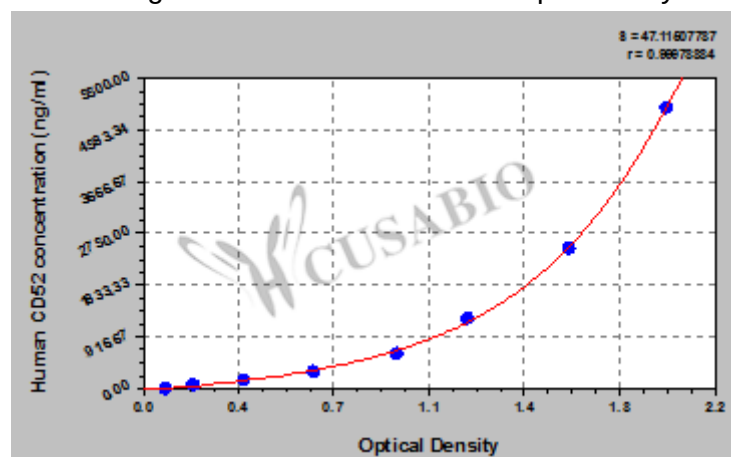
Recovery

The recovery of human CD52 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	80-100
EDTA plasma (n=4)	98	91-110

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
5000	1.975	1.952	1.964	1.870
2500	1.612	1.586	1.599	1.505
1250	1.272	1.171	1.222	1.128
625	0.984	0.932	0.958	0.864
312	0.665	0.629	0.647	0.553
156	0.398	0.368	0.383	0.289
78	0.193	0.201	0.197	0.103
0	0.097	0.091	0.094	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL004943HU.pdf","filename":"MSDS"}}