



Human HLA class II histocompatibility antigen gamma chain(CD74) ELISA kit

Product Code	CSB-EL004956HU
Abbreviation	CD74
Protein Biological Process 1	Immunity
Target Name	CD74 molecule, major histocompatibility complex, class II invariant chain
Uniprot No.	P04233
Alias	DHLA, HLADG, Ia-GAMMA, CD74 antigen CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) HLA-DR-gamma Ia-associated invariant chain MHC HLA-DR gamma
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Adaptive immunity
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	CD74
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CD74 ELISA Kit was designed for the quantitative measurement of Human CD74 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 CD74 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 %	91
	Range %	86-94
1:2	Average %	97
	Range %	90-105
1:4	Average %	103
	Range %	97-108
1:8	Average %	89
	Range %	85-92

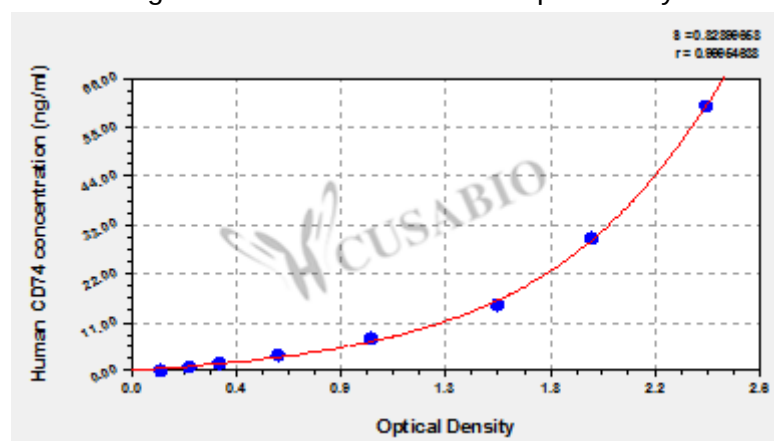
Recovery

The recovery of human CD74 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)	92	88-95
EDTA plasma (n=4)	97	90-103

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	2.311	2.480	2.396	2.260
30	1.865	1.977	1.921	1.785
15	1.586	1.482	1.534	1.398
7.5	0.999	1.015	1.007	0.871
3.75	0.632	0.614	0.623	0.487
1.8	0.374	0.381	0.378	0.242
0.9	0.265	0.247	0.256	0.120
0	0.134	0.137	0.136	

Msds

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