



# Human CD70 antigen(CD70) ELISA kit

Product Code	CSB-EL004954HU
Abbreviation	CD70
Target Name	CD70 molecule
Uniprot No.	P32970
Alias	CD27L, CD27LG, TNFSF7, CD27 ligand CD70 antigen Ki-24 antigen surface antigen CD70 tumor necrosis factor (ligand) superfamily, member 7 tumor necrosis factor ligand superfamily, member 7
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 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	CD70
Tag Info	quantitative
Protein Description	Sandwich
Description	<p>This Human CD70 ELISA Kit was designed for the quantitative measurement of Human CD70 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL .</p>
Target Details	<p>This protein is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.</p>
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p>



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 CD70 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 %	94
	Range %	90-98
1:2	Average %	92
	Range %	89-97
1:4	Average %	93
	Range %	90-96
1:8	Average %	96
	Range %	90-101

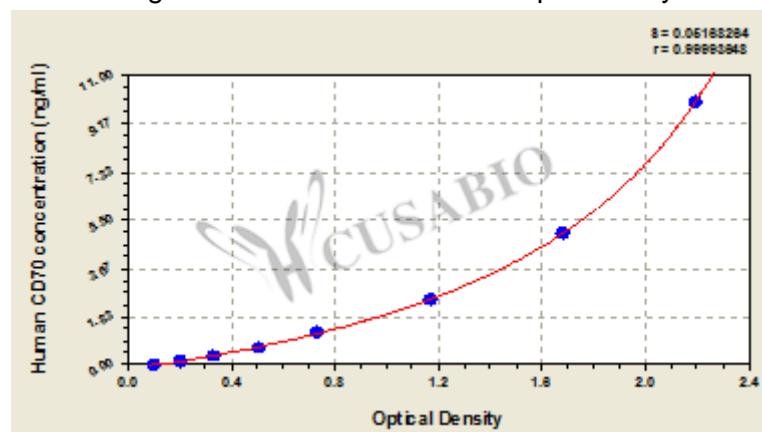
## Recovery

The recovery of human CD70 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)	100	95-105
EDTA plasma (n=4)	97	90-104

## 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
10	2.196	2.189	2.193	2.085
5	1.699	1.671	1.685	1.577
2.5	1.166	1.182	1.174	1.066
1.25	0.766	0.712	0.739	0.631
0.625	0.503	0.526	0.515	0.407
0.312	0.352	0.327	0.340	0.232
0.156	0.206	0.216	0.211	0.103
0	0.107	0.109	0.108	?

## Msds

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