Human tumor necrosis factor superfamily 15 (TL1A/TNFSF15) ELISA Kit

Product Code	CSB-E15770h
Abbreviation	TNFSF15
Target Name	tumor necrosis factor (ligand) superfamily, member 15
Uniprot No.	O95150
Alias	MGC129934, MGC129935, TL1, TL1A, VEGI, VEGI192A, TNF ligand-related molecule 1|TNF superfamily ligand TL1A|vascular endothelial cell growth inhibitor|vascular endothelial growth inhibitor-192A
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.78 ng/mL-50 ng/mL
Sensitivity	0.195 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	Others
Gene Names	TNFSF15
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human TNFSF15 ELISA Kit was designed for the quantitative measurement of Human TNFSF15 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.78 ng/mL-50 ng/mL and the sensitivity is 0.195 ng/mL.
Target Details	This protein is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. An additional isoform encoded by an alternatively spliced

transcript variant has been reported but the sequence of this transcript has not been determined.

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 TL1A/TNFSF15 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 %	90
	Range %	85-93
1:2	Average %	97
	Range %	92-100
1:4	Average %	94
	Range %	86-97
1:8	Average %	100
	Range %	89-105

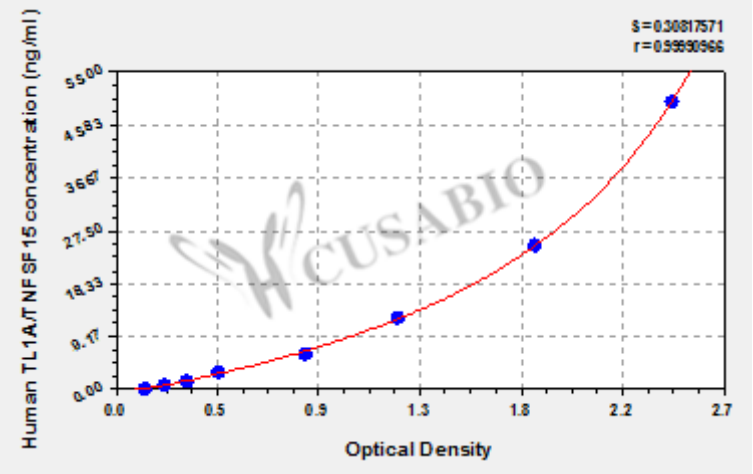
Recovery

The recovery of human TL1A/TNFSF15 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)	101	92-106
EDTA plasma (n=4)	101	95-104

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
50	2.471	2.397	2.434	2.295
25	1.890	1.792	1.841	1.702
12.5	1.259	1.223	1.241	1.102
6.25	0.841	0.832	0.837	0.698
3.12	0.469	0.455	0.462	0.323
1.56	0.324	0.314	0.319	0.180
0.78	0.229	0.218	0.224	0.085
0	0.141	0.137	0.139	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E15770h.pdf","filename":"MSDS"}}