Human Tumor necrosis factor soluble receptor ?,TNFsR-?ELISA KIT

Product Code	CSB-E04736h
Abbreviation	TNFRSF1A
Protein Biological Process 1	Tumor marker
Target Name	tumor necrosis factor receptor superfamily, member 1A
Uniprot No.	P19438
Alias	CD120a, FPF, MGC19588, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR1, TNFR55, TNFR60, p55, p55-R, p60, tumor necrosis factor binding protein 1|tumor necrosis factor receptor 1|TNFsR-1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates, urine
Detection Range	78.125 pg/mL-5000 pg/mL
Sensitivity	65 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	Signal Transduction
Gene Names	TNFRSF1A
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human TNFRSF1A ELISA Kit was designed for the quantitative measurement of Human TNFRSF1A protein in serum, plasma, tissue homogenates, urine. It is a Sandwich ELISA kit, its detection range is 78.125 pg/mL-5000 pg/mL and the sensitivity is 65 pg/mL.
Target Details	This protein is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of

inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease.

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 TNFsR-? 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 %	98
	Range %	92-105
1:2	Average %	91
	Range %	86-98
1:4	Average %	91
	Range %	88-96
1:8	Average %	101
	Range %	96-106

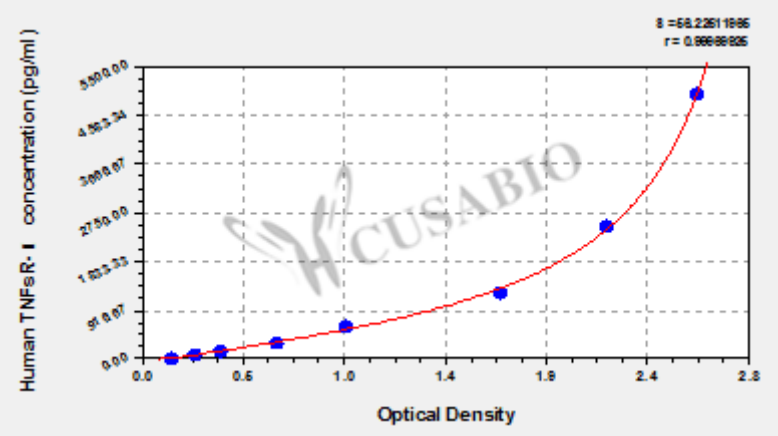
Recovery

The recovery of human TNFsR-? 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	87-93
EDTA plasma (n=4)	101	103-104

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
5000	2.568	2.632	2.600	2.450
2500	2.245	2.121	2.183	2.033
1250	1.622	1.741	1.682	1.532
625	0.977	0.955	0.966	0.816
312.5	0.660	0.626	0.643	0.493
156.25	0.392	0.366	0.379	0.229
78.125	0.261	0.254	0.258	0.108
0	0.145	0.154	0.150	?

Msds {"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E04736h.pdf","filename":"MSDS"}}