Human tumor necrosis factor receptor-associated factor 6,TRAF6 ELISA kit

Product Code	CSB-E14078h
Abbreviation	TRAF6
Protein Biological Process 1	Developmental Protein
Target Name	TNF receptor-associated factor 6
Uniprot No.	Q9Y4K3
Alias	MGC:3310, RNF85
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Osteogenesis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	39 pg/mL-2500 pg/mL
Sensitivity	9.8 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	TRAF6
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human TRAF6 ELISA Kit was designed for the quantitative measurement of Human TRAF6 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 39 pg/mL-2500 pg/mL and the sensitivity is 9.8 pg/mL.
Target Details	This protein is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins are associated with, and mediate signal transduction from members of the TNF receptor superfamily. This protein mediates the signaling not only from the members of the TNF receptor superfamily, but also from the members of the Toll/IL-1 family. Signals from receptors such as CD40,

TNFSF11/RANCE and IL-1 have been shown to be mediated by this protein. This protein also interacts with various protein kinases including IRAK1/IRAK, SRC and PKCzeta, which provides a link between distinct signaling pathways. This protein functions as a signal transducer in the NF-kappaB pathway that activates IkappaB kinase (IKK) in response to proinflammatory cytokines. The interaction of this protein with UBE2N/UBC13, and UBE2V1/UEV1A, which are ubiquitin conjugating enzymes catalyzing the formation of polyubiquitin chains, has been found to be required for IKK activation by this protein. Two alternatively spliced transcript variants encoding identical proteins have been reported.

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 TRAF6 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 %	92
	Range %	87-99
1:2	Average %	103
	Range %	99-104
1:4	Average %	93
	Range %	87-98
1:8	Average %	91
	Range %	89-97

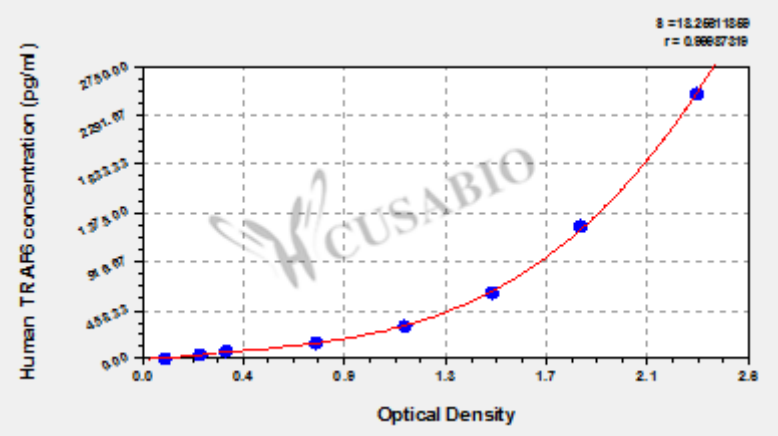
Recovery

The recovery of human TRAF6 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)	95	92-99
EDTA plasma (n=4)	90	86-93

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
2500	2.444	2.246	2.345	2.239
1250	1.937	1.780	1.859	1.753
625	1.432	1.544	1.488	1.382
312.5	1.078	1.159	1.119	1.013
156	0.726	0.760	0.743	0.637
78	0.376	0.358	0.367	0.261
39	0.261	0.244	0.253	0.147
0	0.103	0.109	0.106	

Msds

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