



Mouse Tumor necrosis factor-inducible gene 6 protein(TNFAIP6) ELISA kit

Product Code	CSB-EL023959MO
Abbreviation	TNFAIP6
Protein Biological Process 1	Cell Adhesion
Target Name	tumor necrosis factor, alpha-induced protein 6
Uniprot No.	O08859
Alias	TSG-6, TSG6, hyaluronate-binding protein tumor necrosis factor alpha-inducible protein 6 tumor necrosis factor-inducible protein 6 tumor necrosis factor-stimulated gene-6 protein
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	15.6 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	Cancer
Gene Names	Tnfaip6
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse TNFAIP6 ELISA Kit was designed for the quantitative measurement of Mouse TNFAIP6 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/mL .
Target Details	This protein is a secretory protein that contains a hyaluronan-binding domain, and thus is a member of the hyaluronan-binding protein family. The hyaluronan-binding domain is known to be involved in extracellular matrix stability and cell



migration. This protein has been shown to form a stable complex with inter-alpha-inhibitor (I alpha I), and thus enhance the serine protease inhibitory activity of I alpha I, which is important in the protease network associated with inflammation. The expression of this gene can be induced by tumor necrosis factor alpha and interleukin-1. The expression can also be induced by mechanical stimuli in vascular smooth muscle cells, and is found to be correlated with proteoglycan synthesis and aggregation.

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 mouse TNFAIP6 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)
	Average %	92
1:1	Range %	88-96
	Average %	90
1:2	Range %	85-95
	Average %	93
1:4	Range %	89-97
	Average %	97
1:8	Range %	93-101

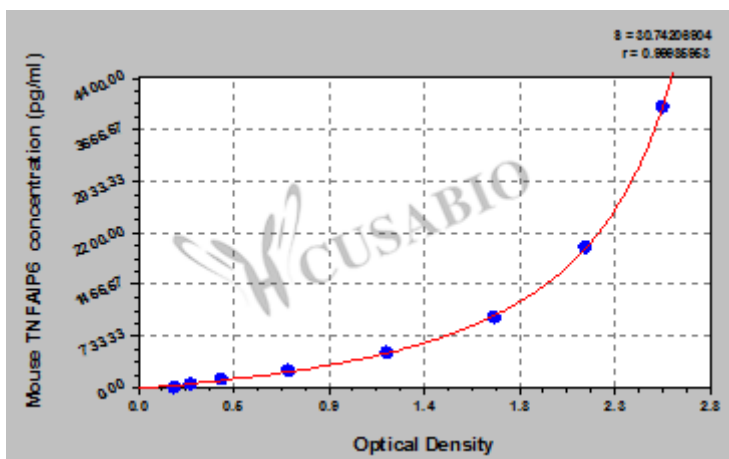
Recovery

The recovery of mouse TNFAIP6 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	86-95
EDTA plasma (n=4)	94	90-99

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
4000	2.596	2.452	2.524	2.334
2000	2.136	2.173	2.155	1.965
1000	1.739	1.704	1.722	1.532
500	1.238	1.179	1.209	1.019
250	0.707	0.761	0.734	0.544
125	0.428	0.402	0.415	0.225
62.5	0.259	0.277	0.268	0.078
0	0.193	0.187	0.190	?

Msd

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