



Human Tumor necrosis factor receptor superfamily member 25(TNFRSF25) ELISA kit

Product Code	CSB-EL023980HU
Abbreviation	TNFRSF25
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	tumor necrosis factor receptor superfamily, member 25
Uniprot No.	Q93038
Alias	RP4-650H14.2, APO-3, DDR3, DR3, LARD, TNFRSF12, TR3, TRAMP, WSL-1, WSL-LR, apoptosis inducing receptor apoptosis-mediating receptor death domain receptor 3 soluble form death receptor beta lymphocyt
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.24 ng/mL-15 ng/mL
Sensitivity	0.06 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	Cell Biology
Gene Names	TNFRSF25
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human TNFRSF25 ELISA Kit was designed for the quantitative measurement of Human TNFRSF25 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.24 ng/mL-15 ng/mL and the sensitivity is 0.06 ng/mL.

Target Details

This protein is a member of the TNF-receptor superfamily. This receptor is expressed preferentially in the tissues enriched in lymphocytes, and it may play a role in regulating lymphocyte homeostasis. This receptor has been shown to



stimulate NF-kappa B activity and regulate cell apoptosis. The signal transduction of this receptor is mediated by various death domain containing adaptor proteins. Knockout studies in mice suggested the role of this gene in the removal of self-reactive T cells in the thymus. Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported, most of which are potentially secreted molecules. The alternative splicing of this gene in B and T cells encounters a programmed change upon T-cell activation, which predominantly produces full-length, membrane bound isoforms, and is thought to be involved in controlling lymphocyte proliferation induced by T-cell activation.

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 TNFRSF25 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 %	88
	Range %	85-93
1:2	Average %	94
	Range %	91-99
1:4	Average %	84
	Range %	81-89
1:8	Average %	90
	Range %	87-93

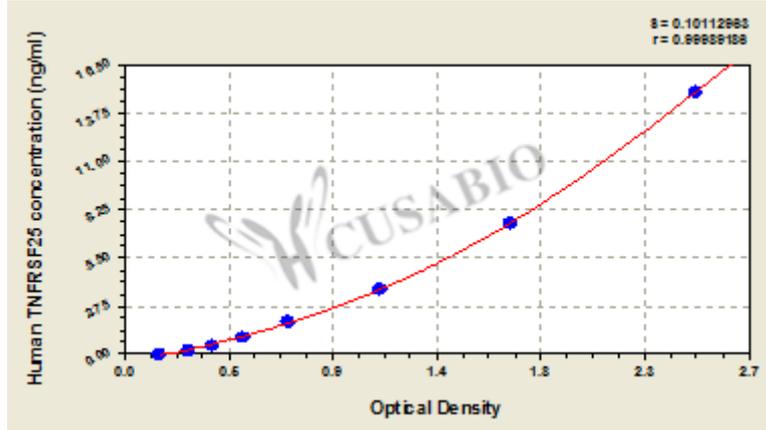
Recovery

The recovery of human TNFRSF25 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)	83	80-86
EDTA plasma (n=4)	91	88-95

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
15	2.464	2.498	2.481	2.321
7.5	1.696	1.668	1.682	1.522
3.75	1.101	1.135	1.118	0.958
1.88	0.712	0.732	0.722	0.562
0.94	0.513	0.536	0.525	0.365
0.47	0.398	0.387	0.393	0.233
0.24	0.297	0.276	0.287	0.127
0	0.161	0.159	0.160	

Msds

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