



Mouse Tumor necrosis factor ligand superfamily member 13(TNFSF13) ELISA kit

Product Code	CSB-EL023989MO
Abbreviation	TNFSF13
Protein Biological Process 1	Immunity
Target Name	tumor necrosis factor (ligand) superfamily, member 13
Uniprot No.	Q9D777
Alias	APRIL, CD256, TALL2, TRDL-1, UNQ383/PRO715, ligand, TNF- and APOL-related leukocyte expressed ligand 2 a proliferation inducing ligand tumor necrosis factor (ligand) superfamily member 13 transcript
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Immunity
Sample Types	serum, plasma, cell culture supernates, tissue homogenates, cell lysates
Detection Range	93.75 pg/mL-6000 pg/mL
Sensitivity	23.43 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	Immunology
Gene Names	Tnfsf13
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse TNFSF13 ELISA Kit was designed for the quantitative measurement of Mouse TNFSF13 protein in serum, plasma, cell culture supernates, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 93.75 pg/mL-6000 pg/mL and the sensitivity is 23.43 pg/mL.
Target Details	This protein is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF17/BCMA, a member of the TNF receptor family. This protein and its receptor are both found to be important for B cell



development. In vitro experiments suggested that this protein may be able to induce apoptosis through its interaction with other TNF receptor family proteins such as TNFRSF6/FAS and TNFRSF14/HVEM. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. Other transcripts that skip the last exon of the upstream gene (TNFSF12) and continue with the second exon of this gene have been identified; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13.

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 TNFSF13 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 %	94
	Range %	86-99
1:2	Average %	98
	Range %	90-102
1:4	Average %	92
	Range %	85-96
1:8	Average %	98
	Range %	92-103

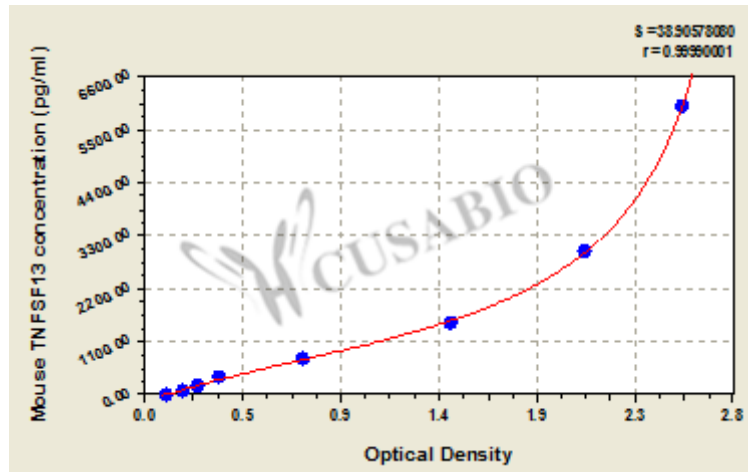
Recovery

The recovery of mouse TNFSF13 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	84-94
EDTA plasma (n=4)	100	91-105

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
6000	2.636	2.496	2.566	2.455
3000	2.123	2.089	2.106	1.995
1500	1.477	1.456	1.467	1.356
750	0.776	0.753	0.765	0.654
375	0.372	0.366	0.369	0.258
187.5	0.266	0.254	0.260	0.149
93.75	0.194	0.187	0.191	0.080
0	0.112	0.110	0.111	

Msds

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