Mouse Factor-related Apoptosis ligand,FASL ELISA Kit

Product Code	CSB-E04545m
Abbreviation	FASLG
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	Fas ligand (TNF superfamily, member 6)
Uniprot No.	P41047
Alias	APT1LG1, CD178, CD95L, FASL, TNFSF6, CD95 ligand|apoptosis (APO-1) antigen ligand 1|fas ligand|tumor necrosis factor (ligand) superfamily, member 6
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	1.95 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	Cell Biology
Gene Names	Faslg
Tag Info	quantitative
Protein Description	Sandwich
Description	The product CSB-E04545m is a sandwich ELISA kit developed to measure concentrations of mouse FASL in serum, plasma, or tissue homogenates. This assay uses the sandwich enzyme immunoassay technique in combination with the enzyme-substrate chromogenic reaction to quantify the analyte in the sample. The color develops positively to the amount of FASL in samples. The color intensity is measured at 450 nm via a microplate reader. FASL is well known for its ability to deliver a death signal through its receptor Fas. FASL is expressed in various types of cancer and is involved in tumor immune evasion. The Fas-FASL system plays an important role in the

establishment of immune privilege status for tumors by inducing Fas-mediated apoptosis in tumor-specific lymphocytes. However, studies have demonstrated that high levels of FASL trigger tumor rejection and that FASL promotes tumor growth at low levels possibly by inhibiting anti-tumor immune responses.

Target Details

This protein is the ligand for FAS. Both are transmembrane proteins. Interaction of FAS with this ligand is critical in triggering apoptosis of some types of cells such as lymphocytes. Defects in this gene may be related to some cases of systemic lupus erythematosus (SLE).

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 FASL 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 %	86
	Range %	82-91
1:2	Average %	101
	Range %	98-105
1:4	Average %	87
	Range %	84-91
1:8	Average %	100
	Range %	95-105

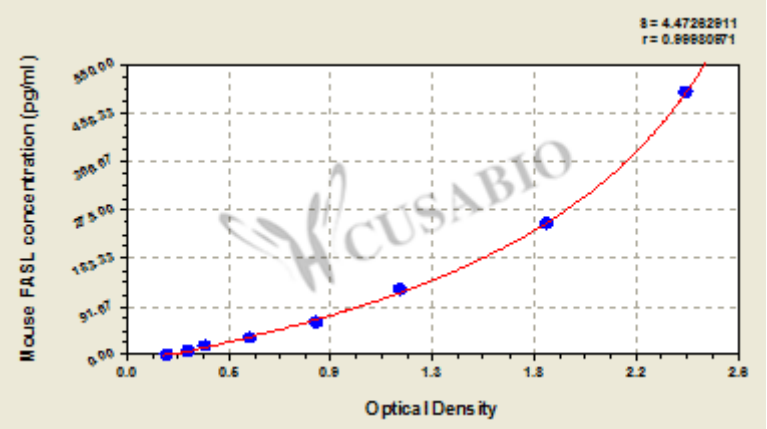
Recovery

The recovery of mouse FASL 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)	89	85-94
EDTA plasma (n=4)	93	90-96

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
500	2.411	2.431	2.421	2.234
250	1.846	1.801	1.824	1.637
125	1.181	1.201	1.191	1.004
62.5	0.824	0.831	0.828	0.641
31.2	0.531	0.562	0.547	0.360
15.6	0.358	0.348	0.353	0.166
7.8	0.271	0.280	0.276	0.089
0	0.188	0.186	0.187	?

Msds

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