

**Product:** Mouse Factor RNST-27019BL-E0019m

**Assay Type:** Sandwich

**Research Area:** Apoptosis

**Synonyms:** CD178; CD95L; CD95-L; FASLG; FASLG; APT1LG1; APT1-LG1; TNFSF6;

Fas Antigen Ligand; TNF Superfamily Member 6; Tumor Necrosis

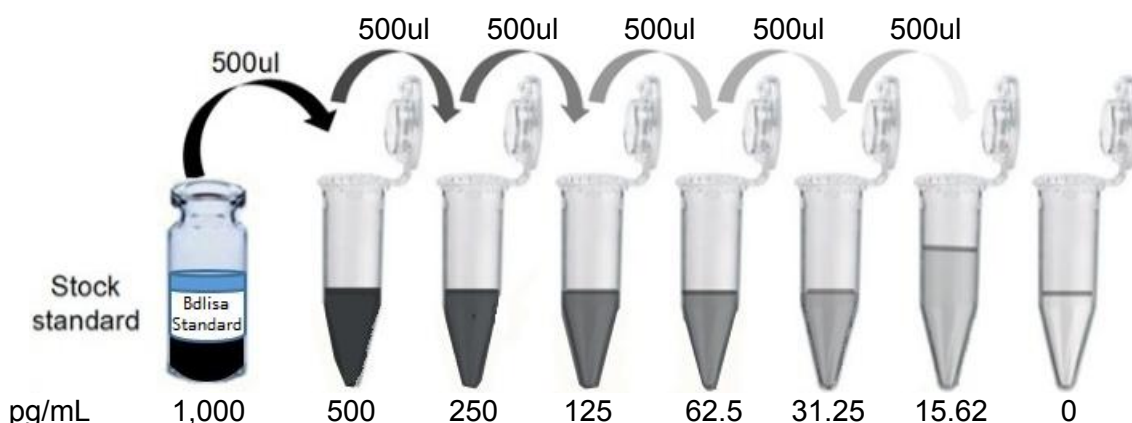
Factor(ligand)Superfamily,Member 6

**Detection Range:** 15.62-1,000 pg/mL

**Sensitivity:** 6.42 pg/mL

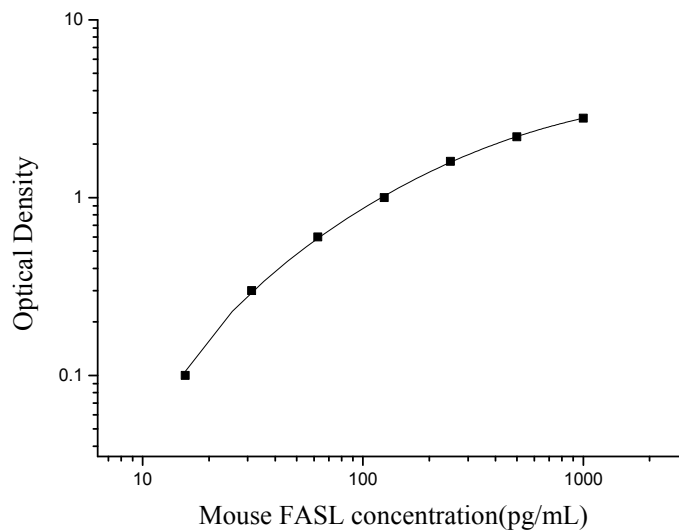
## Standard Preparation

Reconstitute the **Standard** with 1.0 mL of **Universal Diluent**, keep for 10 minutes at room temperature, shake gently(not to foam). The concentration of the standard in the stock solution is 1,000 pg/mL. Please prepare 7 tubes containing 0.5 mL **Universal Diluent** and produce a double dilution series according to the picture shown below. Mix each tube thoroughly before the next transfer. Set up 7 points of diluted standard such as 1,000 pg/mL, 500 pg/mL, 250 pg/mL, 125 pg/mL, 62.5 pg/mL, 31.25 pg/mL, 15.62 pg/mL, and the last EP tube with **Universal Diluent** is the blank as 0 pg/mL.



## Typical Data

As the OD values of the standard curve may vary according to the conditions of the objective assay, the experimenter should fit a standard curve for each test. Typical standard curve provided below is for reference only.



## Specificity

This assay has high sensitivity and excellent specificity for detection of Mouse FASL. No significant cross-reactivity or interference between Mouse FASL and analogues is observed.

**Note:** Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Mouse FASL and all the analogues, therefore, cross reaction may still exist.

## Recovery

Matrices listed below were spiked with certain level of recombinant Mouse FASL and the recovery rates were calculated by comparing the measured value to the expected amount of Mouse FASL in samples.

Matrix	Recovery range(%)	Average(%)
Serum(n=10)	82-110	96
EDTA plasma(n=10)	77-97	87
Heparin plasma(n=10)	79-103	91

## Linearity

The linearity of the kit was assayed by testing samples spiked with appropriate concentration of Mouse FASL and their serial dilutions. The results were demonstrated by the percentage of calculated concentration to the expected.

Sample	1:2	1:4	1:8	1:16
Serum(n=10)	83-108%	82-110%	80-106%	81-105%
EDTA plasma(n=10)	77-97%	76-100%	78-99%	78-97%
Heparin plasma(n=10)	76-101%	78-99%	81-97%	79-96%

### Precision

Intra-assay Precision (Precision within an assay): Three samples with low, middle and high level Mouse FASL were tested 20 times on one plate, respectively.

Inter-assay Precision (Precision between assays): Three samples with low, middle and high level Mouse FASL were tested on 3 different plates, 8 replicates in each plate.

$$CV (\%) = SD/mean \times 100$$

**Intra-Assay:** CV < 10%

**Inter-Assay:** CV < 12%

### Stability

The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 10% within the expiration date under appropriate storage condition.

Main components	37℃ for 7 days	-20℃ for 12 months
Average(%)	90	95-100

To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is strongly suggested that the same operator performs the whole assay from the beginning to the end.