# Mouse Factor-related Apoptosis,FAS ELISA Kit

| | |
|---|---|
| **Product Code** | CSB-E04543m |
| **Abbreviation** | FAS |
| **Protein Biological Process 1** | Apoptosis/Autophagy |
| **Target Name** | Fas (TNF receptor superfamily, member 6) |
| **Uniprot No.** | P25446 |
| **Alias** | ALPS1A, APO-1, APT1, CD95, FAS1, FASTM, TNFRSF6, APO-1 cell surface antigen\|CD95 antigen\|Fas AMA\|Fas antigen\|apoptosis antigen 1\|tumor necrosis factor receptor superfamily, member 6 |
| **Product Type** | ELISA Kit |
| **Immunogen Species** | Mus musculus (Mouse) |
| **Protein Biological Process 3** | Apoptosis |
| **Sample Types** | serum, plasma, cell culture supernates, tissue homogenates |
| **Detection Range** | 0.625 ng/mL-40 ng/mL |
| **Sensitivity** | 0.156 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** | Fas |
| **Tag Info** | quantitative |
| **Protein Description** | Sandwich |
| **Description** | This Mouse FAS ELISA Kit was designed for the quantitative measurement of Mouse FAS protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL. |
| **Target Details** | This protein is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein |

(FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. At least eight alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform.

**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 FAS 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 % | 104 |
| | Range % | 97-108 |
| 1:2 | Average % | 106 |
| | Range % | 97-110 |
| 1:4 | Average % | 94 |
| | Range % | 85-97 |
| 1:8 | Average % | 100 |
| | Range % | 92-104 |

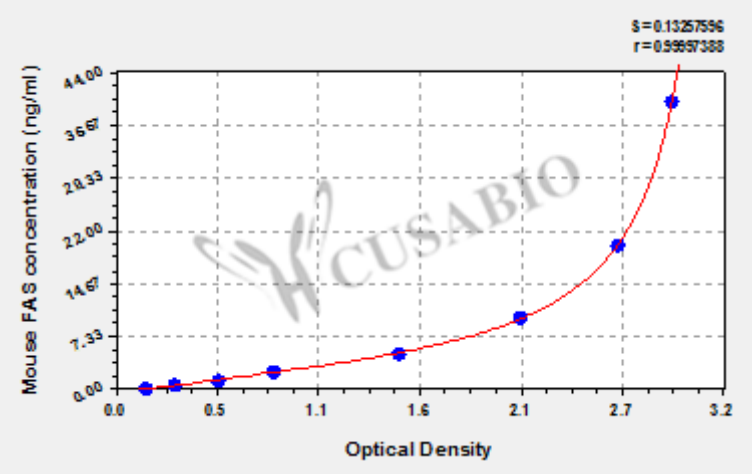
**Recovery**

The recovery of mouse FAS 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) | 103 | 95-107 |
| EDTA plasma (n=4) | 100 | 89-104 |

**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 |
|---|---|---|---|---|
| 40 | 2.965 | 2.848 | 2.907 | 2.737 |
| 20 | 2.658 | 2.592 | 2.625 | 2.455 |
| 10 | 2.166 | 2.079 | 2.123 | 1.953 |
| 5 | 1.502 | 1.478 | 1.490 | 1.320 |
| 2.5 | 0.832 | 0.844 | 0.838 | 0.668 |
| 1.25 | 0.551 | 0.543 | 0.547 | 0.377 |
| 0.625 | 0.329 | 0.319 | 0.324 | 0.154 |
| 0 | 0.172 | 0.168 | 0.170 | ? |

**Msds**

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E04543m.pdf","filename":"MSDS"}}