



Rat Factor-related Apoptosis,FAS ELISA Kit

Product Code	CSB-E07324r
Abbreviation	FAS
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	Fas (TNF receptor superfamily, member 6)
Uniprot No.	Q63199
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	Rattus norvegicus (Rat)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.78 ng/mL-50 ng/mL
Sensitivity	0.195 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 Rat FAS ELISA Kit was designed for the quantitative measurement of Rat FAS protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.78 ng/mL-50 ng/mL and the sensitivity is 0.195 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 rat 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)
	Average %	95
1:1	Range %	86-105
	Average %	96
1:2	Range %	91-100
	Average %	96
1:4	Range %	87-105
	Average %	96
1:8	Range %	90-102

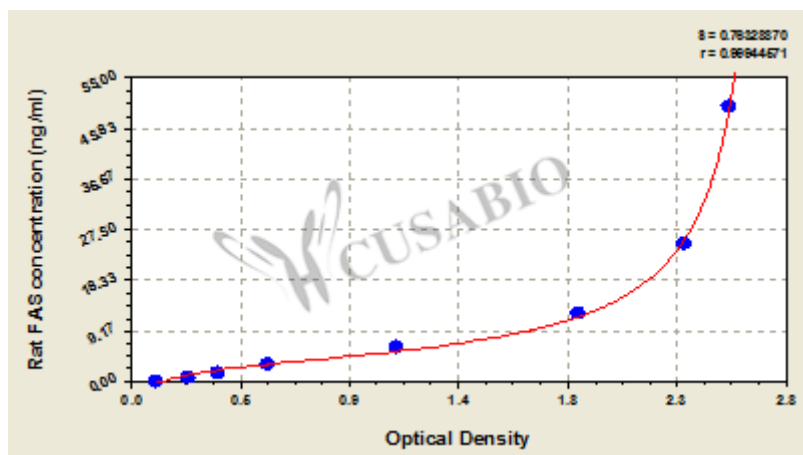
Recovery

The recovery of rat 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)	96	89-105
EDTA plasma (n=4)	95	93-102

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

50	2.504	2.532	2.518	2.402
25	2.312	2.345	2.329	2.213
12.5	1.884	1.879	1.882	1.766
6.25	1.111	1.133	1.122	1.006
3.12	0.573	0.586	0.580	0.464
1.56	0.363	0.374	0.369	0.253
0.78	0.241	0.255	0.248	0.132
0	0.115	0.117	0.116	?

Msds

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