



# Rat Tumor necrosis factor soluble receptor ?,TNFsR-? ELISA KIT

<b>Product Code</b>	CSB-E07380r
<b>Abbreviation</b>	TNFsR2
<b>Target Name</b>	Tumor necrosis factor soluble receptor ?,TNFsR-
<b>Uniprot No.</b>	Q80WY6
<b>Alias</b>	CD120b, TBPII, TNF-R-II, TNF-R75, TNFBR, TNFR1B, TNFR2, TNFR80, p75, p75TNFR, p75 TNF receptor soluble TNFR1B variant 1 tumor necrosis factor beta receptor tumor necrosis factor binding protein 2, TNFsR-2
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	0.625 ng/mL-40 ng/mL
<b>Sensitivity</b>	0.156 ng/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Others
<b>Gene Names</b>	Tnfrsf1b
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Rat TNFsR2 ELISA Kit was designed for the quantitative measurement of Rat TNFsR2 protein in serum, plasma, 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 protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways.



## 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 TNFsR-II 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 %	91
	Range %	87-94
1:2	Average %	97
	Range %	92-101
1:4	Average %	90
	Range %	87-98
1:8	Average %	92
	Range %	85-95

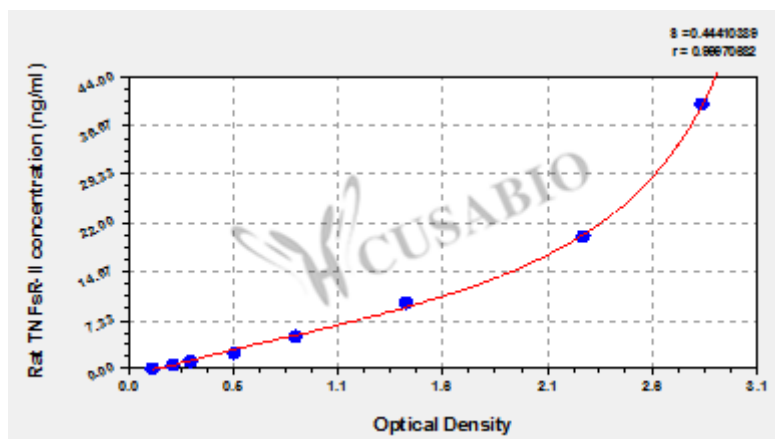
## Recovery

The recovery of rat TNFsR-II 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)	93	88-96
EDTA plasma (n=4)	98	95-102

## 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
40	2.827	2.899	2.863	2.732
20	2.222	2.323	2.273	2.142
10	1.373	1.412	1.393	1.262
5	0.816	0.866	0.841	0.710
2.5	0.531	0.545	0.538	0.407
1.25	0.315	0.323	0.319	0.188
0.625	0.226	0.241	0.234	0.103
0	0.126	0.135	0.131	?

## Msds

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