



Mouse substance P receptor,SP-R ELISA Kit

Product Code	CSB-E08362m
Abbreviation	TACR1
Target Name	tachykinin receptor 1
Uniprot No.	P30548
Alias	NK1R, NKIR, SPR, TAC1R, NK-1 receptor neurokinin 1 receptor tachykinin 1 receptor (substance P receptor, neurokinin 1 receptor) tachykinin receptor 1 (substance P receptor; neurokinin-1 receptor)
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, cell lysates, 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	Others
Gene Names	Tacr1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse TACR1 ELISA Kit was designed for the quantitative measurement of Mouse TACR1 protein in serum, plasma, cell lysates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.95 pg/mL.
Target Details	This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P.
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 SP-R 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 %	102
1:1	Range %	93-106
	Average %	97
1:2	Range %	92-99
	Average %	94
1:4	Range %	85-98
	Average %	107
1:8	Range %	96-110

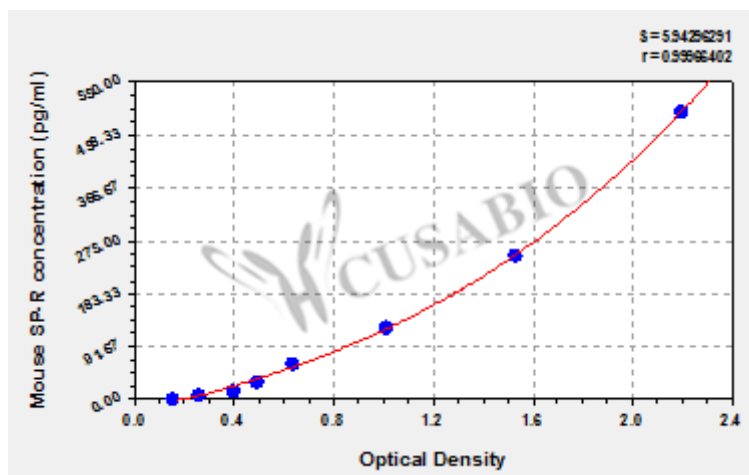
Recovery

The recovery of mouse SP-R 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)	90	81-95
EDTA plasma (n=4)	101	92-105

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	2.226	2.187	2.207	2.042
250	1.562	1.519	1.541	1.376
125	1.006	1.044	1.025	0.860
62.5	0.661	0.639	0.650	0.485
31.2	0.489	0.523	0.506	0.341
15.6	0.400	0.415	0.408	0.243
7.8	0.274	0.270	0.272	0.107
0	0.168	0.162	0.165	?

Msds

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