



Mouse neurotensin (NTS) ELISA kit

Product Code	CSB-EL016136MO
Abbreviation	NTS
Target Name	neurotensin
Uniprot No.	Q9D3P9
Alias	NMN-125, NN, NT, NT/N, NTS1, neuromedin N neurotensin/neuromedin N
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	6.25 pg/mL-400 pg/mL
Sensitivity	1.56 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	Neuroscience
Gene Names	Nts
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse NTS ELISA Kit was designed for the quantitative measurement of Mouse NTS protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 6.25 pg/mL-400 pg/mL and the sensitivity is 1.56 pg/mL.
Target Details	This gene encodes a common precursor for two peptides, neuromedin N and neurotensin. Neurotensin is a secreted tridecapeptide, which is widely distributed throughout the central nervous system, and may function as a neurotransmitter or a neuromodulator. It may be involved in dopamine-associated pathophysiological events, in the maintenance of gut structure and function, and in the regulation of fat metabolism. Tissue-specific processing may lead to the formation in some tissues of larger forms of neuromedin N and neurotensin. The large forms may represent more stable peptides that are also biologically active.
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 NTS 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 %	86
	Range %	83-89
1:2	Average %	98
	Range %	94-105
1:4	Average %	90
	Range %	85-95
1:8	Average %	107
	Range %	103-110

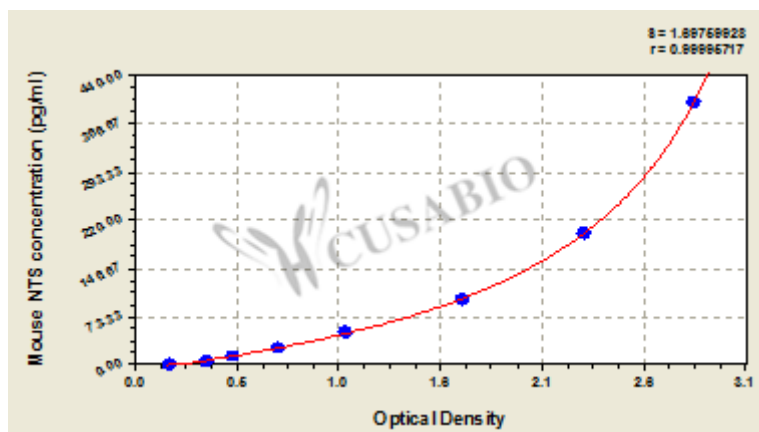
Recovery

The recovery of mouse NTS 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)	86	83-89
EDTA plasma (n=4)	97	94-101

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
400	2.890	2.768	2.829	2.637
200	2.346	2.204	2.275	2.083
100	1.626	1.702	1.664	1.472
50	1.047	1.100	1.074	0.882
25	0.733	0.741	0.737	0.545
12.5	0.517	0.502	0.510	0.318
6.25	0.371	0.382	0.377	0.185
0	0.191	0.193	0.192	?

Msds

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