



# Mouse Neurotrophin 3,NT-3 ELISA kit

<b>Product Code</b>	CSB-E04687m
<b>Abbreviation</b>	NT-3
<b>Target Name</b>	Neurotrophin 3,NT-3
<b>Uniprot No.</b>	P20181
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Sample Types</b>	serum, plasma, cell culture supernates, tissue homogenates
<b>Detection Range</b>	62.5 pg/mL-4000 pg/mL
<b>Sensitivity</b>	15.6 pg/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>	Neuroscience
<b>Gene Names</b>	Ntf3
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Mouse NT-3 ELISA Kit was designed for the quantitative measurement of Mouse NT-3 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/mL.

**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 NT-3 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 %	105
	Range %	87-109



1:2	Average %	102
	Range %	97-106
1:4	Average %	97
	Range %	90-100
1:8	Average %	98
	Range %	91-102

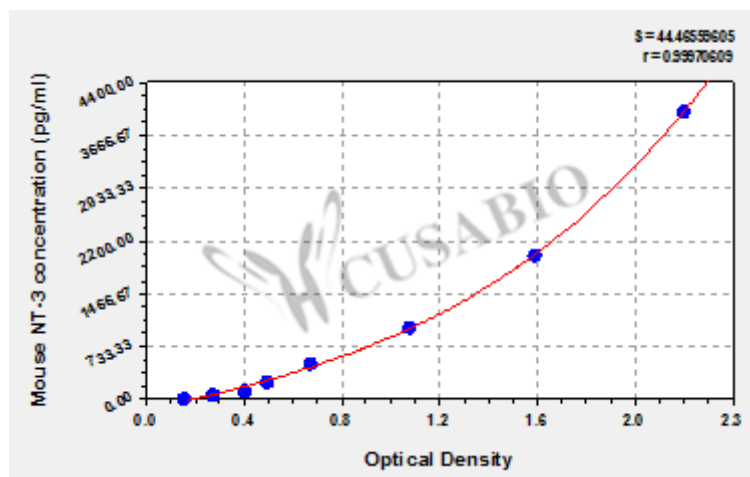
## Recovery

The recovery of mouse NT-3 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)	111	100-116
EDTA plasma (n=4)	100	90-104

## 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
4000	2.179	2.107	2.143	1.977
2000	1.533	1.578	1.556	1.390
1000	1.041	1.073	1.057	0.891
500	0.655	0.678	0.667	0.501
250	0.487	0.500	0.494	0.328
125	0.401	0.415	0.408	0.242
62.5	0.278	0.284	0.281	0.115
0	0.168	0.164	0.166	?

## Msds

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