Mouse Neuron-specific enolase,NSE ELISA Kit

Product Code	CSB-E07962m
Protein Biological Process 2	glyconeogenesis and glycometabolism
Abbreviation	ENO2
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	enolase 2 (gamma, neuronal)
Uniprot No.	P17183
Alias	NSE, 2-phospho-D-glycerate hydrolyase|enolase 2|neural enolase|neuron specific gamma enolase|neurone-specific enolase
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Glycolysis
Sample Types	serum, plasma, cell culture supernates
Detection Range	1.56 ng/mL-100 ng/mL
Sensitivity	0.39 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	Metabolism
Gene Names	Eno2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse ENO2 ELISA Kit was designed for the quantitative measurement of Mouse ENO2 protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 1.56 ng/mL-100 ng/mL and the sensitivity is 0.39 ng/mL.
Target Details	This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.

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 NSE 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 %	98
	Range %	89-102
1:2	Average %	91
	Range %	87-95
1:4	Average %	94
	Range %	84-97
1:8	Average %	91
	Range %	85-94

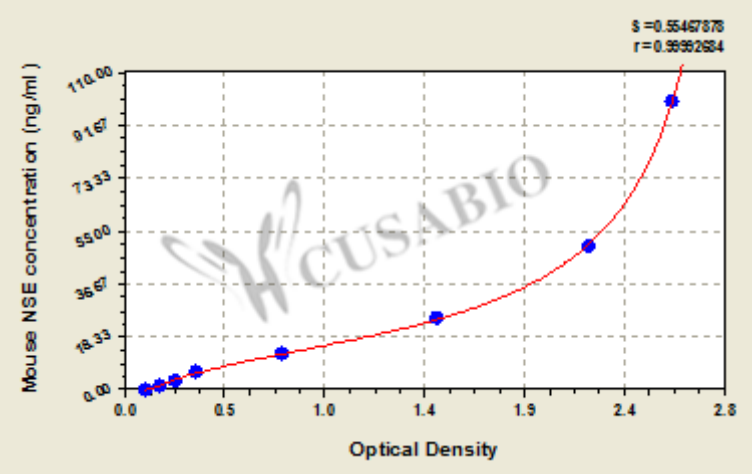
Recovery

The recovery of mouse NSE 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)	105	92-108
EDTA plasma (n=4)	91	84-98

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
100	2.622	2.542	2.582	2.475
50	2.209	2.167	2.188	2.081
25	1.463	1.487	1.475	1.368
12.5	0.762	0.734	0.748	0.641
6.25	0.358	0.333	0.346	0.239
3.12	0.252	0.245	0.249	0.142
1.56	0.180	0.168	0.174	0.067
0	0.106	0.108	0.107	

Msds

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