



Mouse N-myc-interactor(NMI) ELISA kit

Product Code	CSB-EL015893MO
Abbreviation	NMI
Target Name	N-myc (and STAT) interactor
Uniprot No.	O35309
Alias	N-myc and STAT interactor N-myc interactor N-myc-interactor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	Epigenetics and Nuclear Signaling
Gene Names	Nmi
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse NMI ELISA Kit was designed for the quantitative measurement of Mouse NMI protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
Target Details	NMYC interactor (NMI) encodes a protein that interacts with NMYC and CMYC (two members of the oncogene Myc family), and other transcription factors containing a Zip, HLH, or HLH-Zip motif. The NMI protein also interacts with all STATs except STAT2 and augments STAT-mediated transcription in response to cytokines IL2 and IFN-gamma. The NMI mRNA has low expression levels in all human fetal and adult tissues tested except brain and has high expression in cancer cell line-myeloid leukemias.
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 NMI 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 %	97
1:1	Range %	88-102
	Average %	92
1:2	Range %	88-97
	Average %	94
1:4	Range %	85-99
	Average %	100
1:8	Range %	91-105

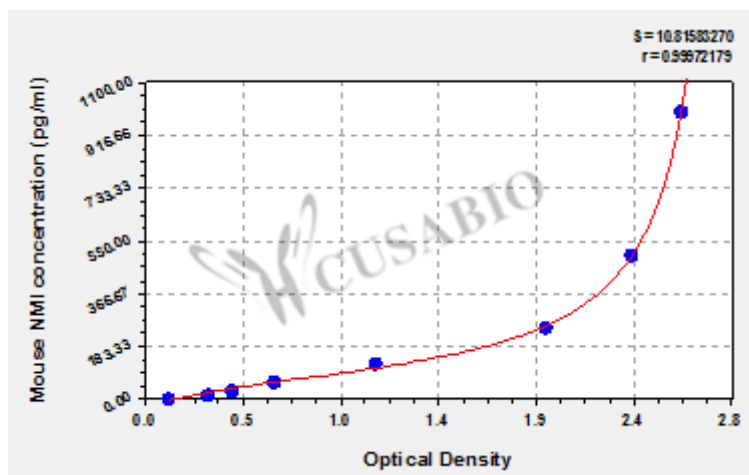
Recovery

The recovery of mouse NMI 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)	94	90-98
EDTA plasma (n=4)	99	91-103

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
1000	2.611	2.569	2.590	2.470
500	2.392	2.314	2.353	2.233
250	1.979	1.898	1.939	1.819
125	1.130	1.105	1.118	0.998
62.5	0.645	0.622	0.634	0.514
31.2	0.425	0.434	0.430	0.310
15.6	0.315	0.307	0.311	0.191
0	0.122	0.118	0.120	?

Msds

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