



# Human N-myc-interactor(NMI) ELISA kit

<b>Product Code</b>	CSB-EL015893HU
<b>Abbreviation</b>	NMI
<b>Target Name</b>	N-myc (and STAT) interactor
<b>Uniprot No.</b>	Q13287
<b>Alias</b>	N-myc and STAT interactor N-myc interactor N-myc-interactor
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates
<b>Detection Range</b>	23.5 pg/mL-1500 pg/mL
<b>Sensitivity</b>	5.8 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>	Epigenetics and Nuclear Signaling
<b>Gene Names</b>	NMI
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human NMI ELISA Kit was designed for the quantitative measurement of Human NMI protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 pg/mL.
<b>Target Details</b>	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.
<b>Product Precision</b>	<b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b> Three samples of known concentration were tested twenty times on one plate to assess. <b>Inter-assay Precision (Precision between assays): CV%&lt;10%</b>



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 human NM 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 %	104
	Range %	100-108
1:2	Average %	89
	Range %	86-92
1:4	Average %	106
	Range %	103-109
1:8	Average %	98
	Range %	94-102

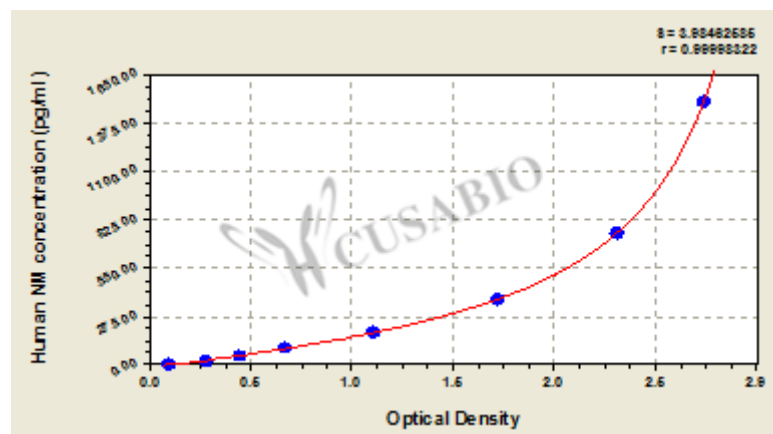
## Recovery

The recovery of human NM 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)	85	81-89
EDTA plasma (n=4)	93	90-96

## 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
1500	2.660	2.701	2.681	2.587
750	2.318	2.203	2.261	2.167
375	1.676	1.698	1.687	1.593
187.5	1.065	1.104	1.085	0.991
94	0.643	0.675	0.659	0.565
47	0.431	0.442	0.437	0.343
23.5	0.271	0.281	0.276	0.182
0	0.093	0.095	0.094	?

**Msd**

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