



Human Nucleophosmin(NPM1) ELISA kit

Product Code	CSB-EL015996HU
Abbreviation	NPM1
Protein Biological Process 1	Immunity
Target Name	nucleophosmin (nucleolar phosphoprotein B23, numatrin)
Uniprot No.	P06748
Alias	B23, MGC104254, NPM, nucleophosmin 1 nucleophosmin/nucleoplasmin family, member 1 numatrin
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Host-virus interaction
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	23.5 pg/mL-1500 pg/mL
Sensitivity	5.8 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	NPM1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human NPM1 ELISA Kit was designed for the quantitative measurement of Human NPM1 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.

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 human NPM1 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 %	91
	Range %	87-95
1:2	Average %	96
	Range %	90-102
1:4	Average %	97
	Range %	94-101
1:8	Average %	95
	Range %	90-98

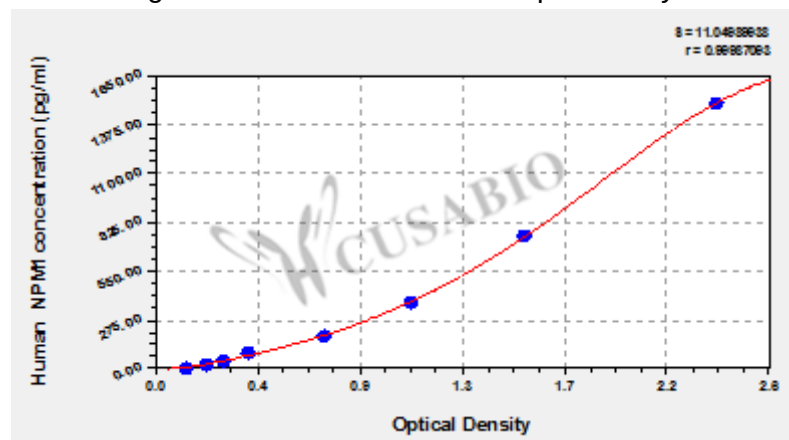
Recovery

The recovery of human NPM1 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)	90	87-96
EDTA plasma (n=4)	97	93-103

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
1500	2.389	2.380	2.385	2.239
750	1.604	1.545	1.575	1.429
375	1.122	1.068	1.095	0.949
187.5	0.721	0.733	0.727	0.581
94	0.424	0.390	0.407	0.261
47	0.303	0.301	0.302	0.156
23.5	0.230	0.237	0.234	0.088
0	0.141	0.150	0.146	

Msds

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