Human N-myc proto-oncogene protein(MYCN) ELISA kit

Product Code	CSB-EL015278HU
Abbreviation	MYCN
Target Name	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)
Uniprot No.	P04198
Alias	MODED, N-myc, NMYC, ODED, bHLHe37, N-myc proto-oncogene protein|neuroblastoma MYC oncogene|neuroblastoma-derived v-myc avian myelocytomatosis viral related oncogene|oncogene NMYC|pp65/67|v-myc avian
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
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	MYCN
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human MYCN ELISA Kit was designed for the quantitative measurement of Human MYCN 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	This gene is a member of the MYC family and encodes a protein with a basic helix-loop-helix (bHLH) domain. This protein is located in the nucleus and must dimerize with another bHLH protein in order to bind DNA. Amplification of this gene is associated with a variety of tumors, most notably neuroblastomas.
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 MYCN 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 %	99-108
1:2	Average %	97
	Range %	92-102
1:4	Average %	95
	Range %	90-99
1:8	Average %	94
	Range %	86-98

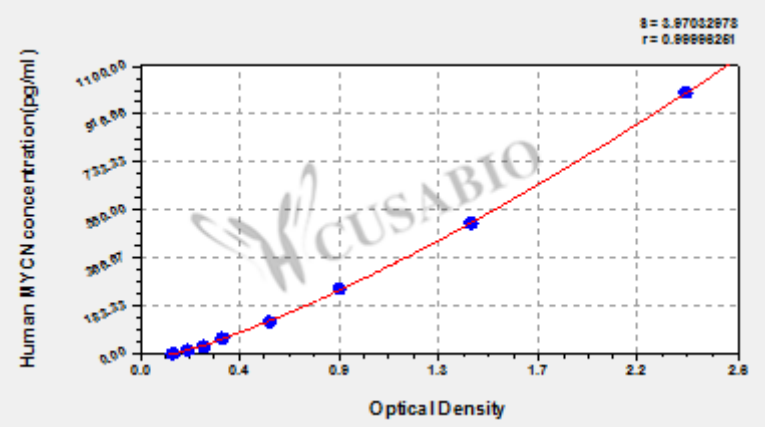
Recovery

The recovery of human MYCN 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)	99	94-101
EDTA plasma (n=4)	86	82-92

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	2.414	2.328	2.371	2.213
500	1.397	1.492	1.445	1.287
250	0.897	0.857	0.877	0.719
125	0.577	0.568	0.573	0.415
62.5	0.375	0.364	0.370	0.212
31.2	0.281	0.296	0.289	0.131
15.6	0.228	0.215	0.222	0.064
0	0.159	0.157	0.158	

Msds

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