



Human Nuclease-sensitive element-binding protein 1(YBX1) ELISA kit

Product Code	CSB-EL026247HU
Abbreviation	YBX1
Protein Biological Process 1	Transcription/Transcription regulation
Target Name	Y box binding protein 1
Uniprot No.	P67809
Alias	BP-8, CSDA2, CSDB, DBPB, MDR-NF1, MGC104858, MGC110976, MGC117250, NSEP-1, NSEP1, YB-1, YB1, DNA-binding protein B major histocompatibility complex, class II, Y box-binding protein I nuclease sensit
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Transcription
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	YBX1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human YBX1 ELISA Kit was designed for the quantitative measurement of Human YBX1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 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 YBX1 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 %	89
1:1	Range %	81-93
	Average %	102
1:2	Range %	95-109
	Average %	95
1:4	Range %	91-99
	Average %	86
1:8	Range %	83-91

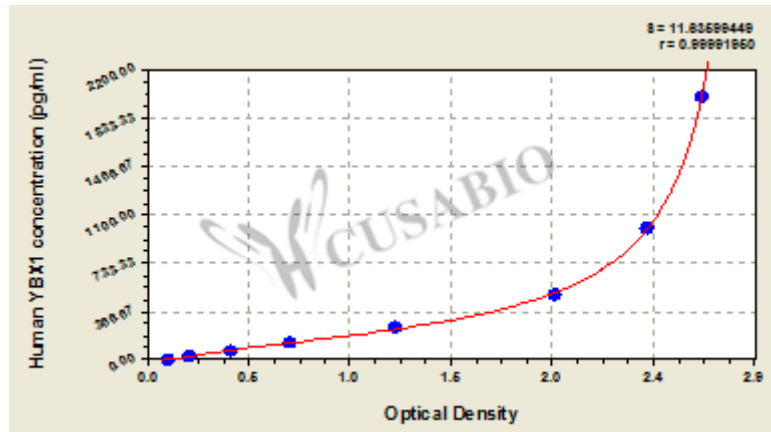
Recovery

The recovery of human YBX1 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)	104	101-109
EDTA plasma (n=4)	97	93-100

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
2000	2.658	2.698	2.678	2.575
1000	2.381	2.451	2.416	2.313
500	1.974	1.962	1.968	1.865
250	1.229	1.169	1.199	1.096
125	0.698	0.687	0.693	0.590
62.5	0.400	0.412	0.406	0.303
31.25	0.209	0.211	0.210	0.107
0	0.101	0.105	0.103	?

Msds

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