Human DNA-binding protein inhibitor ID-1(ID1) ELISA kit

Product Code	CSB-EL010966HU
Abbreviation	ID1
Target Name	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
Uniprot No.	P41134
Alias	ID, bHLHb24, DNA-binding protein inhibitor ID-1|dJ857M17.1.2 (inhibitor of DNA binding 1, dominant negative helix-loop-helix protein)|inhibitor of DNA binding 1|inhibitor of differentiation 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	ID1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human ID1 ELISA Kit was designed for the quantitative measurement of Human ID1 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 7.81 pg/mL .
Target Details	This protein is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene.
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 ID1 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 %	88
	Range %	82-93
1:2	Average %	98
	Range %	94-100
1:4	Average %	97
	Range %	90-104
1:8	Average %	85
	Range %	82-93

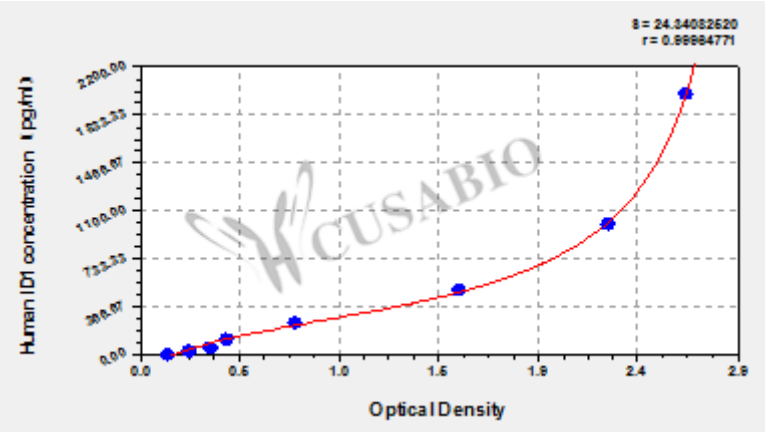
Recovery

The recovery of human ID1 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	87-95
EDTA plasma (n=4)	101	96-104

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	2.654	2.647	2.651	2.501
1000	2.222	2.327	2.275	2.125
500	1.567	1.544	1.556	1.406
250	0.785	0.745	0.765	0.615
125	0.437	0.433	0.435	0.285
62.5	0.358	0.347	0.353	0.203
31.25	0.246	0.254	0.250	0.100
0	0.151	0.148	0.150	?

Msds

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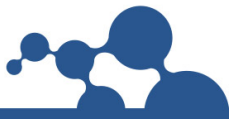

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