



Human selenium binding protein 1(SELENBP1) ELISA Kit

Product Code	CSB-E13947h
Abbreviation	SELENBP1
Protein Biological Process 1	Transport
Target Name	selenium binding protein 1
Uniprot No.	Q13228
Alias	RP11-126K1.7, FLJ13813, LPSB, SP56, hSBP, hSP56,
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Protein transport
Sample Types	serum, plasma, tissue homogenates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	Cancer
Gene Names	SELENBP1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human SELENBP1 ELISA Kit was designed for the quantitative measurement of Human SELENBP1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL .
Target Details	This gene product belongs to the selenium-binding protein family. Selenium is an essential nutrient that exhibits potent anticarcinogenic properties, and deficiency of selenium may cause certain neurologic diseases. It has been proposed that the effects of selenium in preventing cancer and neurologic diseases may be mediated by selenium-binding proteins. The exact function of



this gene is not known.

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 SELENBP1 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 %	84
	Range %	80-88
1:2	Average %	97
	Range %	91-105
1:4	Average %	97
	Range %	92-104
1:8	Average %	93
	Range %	86-98

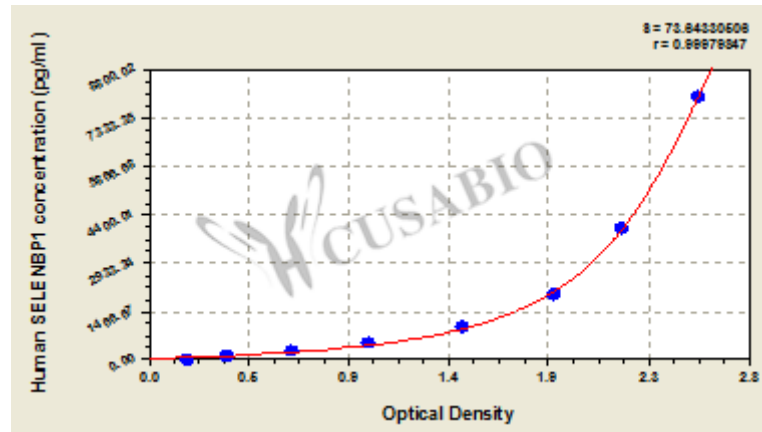
Recovery

The recovery of human SELENBP1 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)	95	89-98
EDTA plasma (n=4)	94	90-100

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
8000	2.520	2.604	2.562	2.367
4000	2.203	2.214	2.209	2.014
2000	1.888	1.899	1.894	1.699
1000	1.445	1.496	1.471	1.276
500	1.005	1.067	1.036	0.841
250	0.673	0.681	0.677	0.482
125	0.378	0.384	0.381	0.186
0	0.194	0.196	0.195	?

Msds

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