Human Transitional endoplasmic reticulum ATPase(VCP) ELISA kit

Product Code	CSB-EL025813HU
Abbreviation	VCP
Protein Biological Process 1	Transport
Target Name	valosin-containing protein
Uniprot No.	P55072
Alias	IBMPFD, MGC131997, MGC148092, MGC8560, TERA, p97, transitional endoplasmic reticulum ATPase|yeast Cdc48p homolog
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Transport
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	23.44 pg/mL-1500 pg/mL
Sensitivity	5.86 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	Metabolism
Gene Names	VCP
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human VCP ELISA Kit was designed for the quantitative measurement of Human VCP protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 23.44 pg/mL-1500 pg/mL and the sensitivity is 5.86 pg/mL.
Target Details	This protein is a member of a family that includes putative ATP-binding proteins involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. This protein, as a structural protein, is associated with clathrin, and heat-shock protein Hsc70, to form a complex. It has been implicated in a

number of cellular events that are regulated during mitosis, including homotypic membrane fusion, spindle pole body function, and ubiquitin-dependent protein degradation.

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 VCP 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 %	96
	Range %	89-99
1:2	Average %	101
	Range %	96-104
1:4	Average %	91
	Range %	88-93
1:8	Average %	92
	Range %	86-95

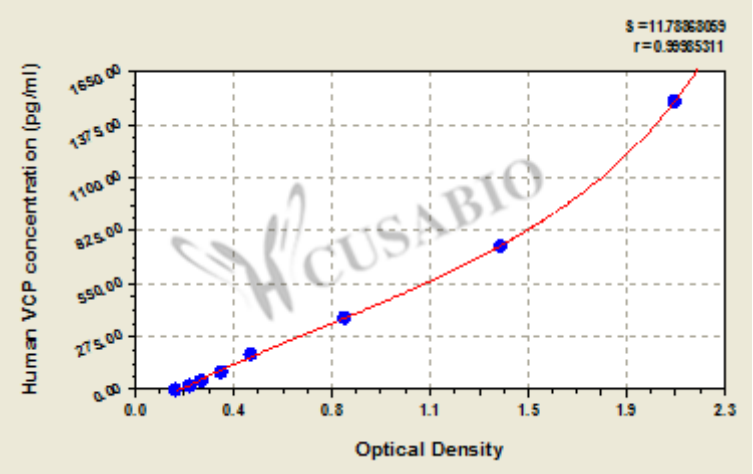
Recovery

The recovery of human VCP 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)	92	87-95
EDTA plasma (n=4)	103	97-105

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	2.072	2.087	2.080	1.913
750	1.404	1.424	1.414	1.247
375	0.812	0.823	0.818	0.651
187.5	0.466	0.448	0.457	0.290
93.75	0.336	0.345	0.341	0.174
46.88	0.272	0.266	0.269	0.102
23.44	0.226	0.217	0.222	0.055
0	0.166	0.168	0.167	

Msds

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