Human 14-3-3 protein epsilon(YWHAE) ELISA kit

Product Code	CSB-EL026287HU
Abbreviation	YWHAE
Protein Biological Process 1	Immunity
Target Name	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide
Uniprot No.	P62258
Alias	14-3-3E, FLJ45465, KCIP-1, MDCR, MDS, 14-3-3 epsilon|mitochondrial import stimulation factor L subunit|protein kinase C inhibitor protein-1|tyrosine 3/tryptophan 5 -monooxygenase activation protein,
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Host-virus interaction
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	78 pg/mL-5000 pg/mL
Sensitivity	19.5 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	Immunology
Gene Names	YWHAE
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human YWHAE ELISA Kit was designed for the quantitative measurement of Human YWHAE protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 78 pg/mL-5000 pg/mL and the sensitivity is 19.5 pg/mL.
Target Details	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities

related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, 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 YWHAE 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 %	86
	Range %	81-92
1:2	Average %	98
	Range %	92-103
1:4	Average %	94
	Range %	88-98
1:8	Average %	93
	Range %	87-96

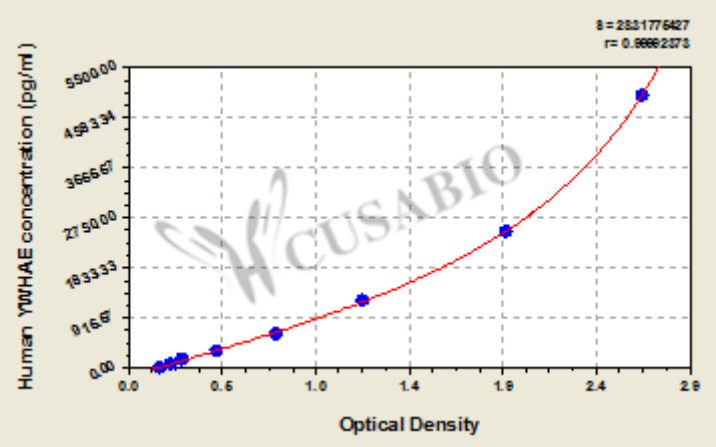
Recovery

The recovery of human YWHAE 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)	87	85-93
EDTA plasma (n=4)	103	98-106

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
5000	2.564	2.654	2.609	2.438
2500	1.897	1.945	1.921	1.750
1250	1.176	1.222	1.199	1.028
625	0.753	0.767	0.760	0.589
312	0.460	0.454	0.457	0.286
156	0.288	0.276	0.282	0.111
78	0.226	0.231	0.229	0.058
0	0.170	0.171	0.171	?

Msds

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