Human 14-3-3 protein eta(YWHAH) ELISA kit

Product Code	CSB-EL026289HU
Abbreviation	YWHAH
Target Name	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide
Uniprot No.	Q04917
Alias	LL22NC03-44A4.1, YWHA1, 14-3-3 eta
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 ng/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	Others
Gene Names	YWHAH
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human YWHAH ELISA Kit was designed for the quantitative measurement of Human YWHAH protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/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 99% identical to the mouse, rat and bovine orthologs. This gene contains a 7 bp repeat sequence in its 5 UTR, and changes in the number of this repeat have been associated with early-onset schizophrenia and psychotic bipolar disorder.
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 YWHAH 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 %	93
	Range %	88-97
1:2	Average %	97
	Range %	93-103
1:4	Average %	85
	Range %	81-89
1:8	Average %	102
	Range %	86-105

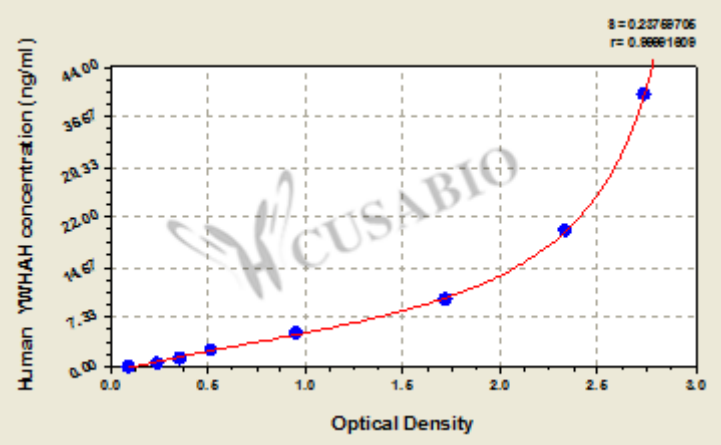
Recovery

The recovery of human YWHAH 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	86-98
EDTA plasma (n=4)	88	82-94

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
40	2.632	2.756	2.694	2.592
20	2.224	2.376	2.300	2.198
10	1.646	1.748	1.697	1.595
5	0.934	0.950	0.942	0.840
2.5	0.524	0.508	0.516	0.414
1.25	0.356	0.362	0.359	0.257
0.625	0.242	0.245	0.244	0.142
0	0.103	0.101	0.102	

Msds

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