



Human 14-3-3 protein theta(YWHAQ) ELISA kit

Product Code	CSB-EL026290HU
Abbreviation	YWHAQ
Target Name	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
Uniprot No.	P27348
Alias	14-3-3, 1C5, HS1, 14-3-3 protein T-cell 14-3-3 protein tau 14-3-3 protein theta OTTHUMP00000165887 protein tau tyrosine 3/tryptophan 5 - monooxygenase activation protein, theta polypeptide
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cerebrospinal fluid (CSF)
Detection Range	0.47 ng/mL-30 ng/mL
Sensitivity	0.11 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	YWHAQ
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human YWHAQ ELISA Kit was designed for the quantitative measurement of Human YWHAQ protein in serum, plasma, tissue homogenates, cerebrospinal fluid (CSF). It is a Sandwich ELISA kit, its detection range is 0.47 ng/mL-30 ng/mL and the sensitivity is 0.11 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 and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease.
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 YWHAQ 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 %	82-92
1:2	Average %	93
	Range %	90-97
1:4	Average %	85
	Range %	81-89
1:8	Average %	98
	Range %	94-102

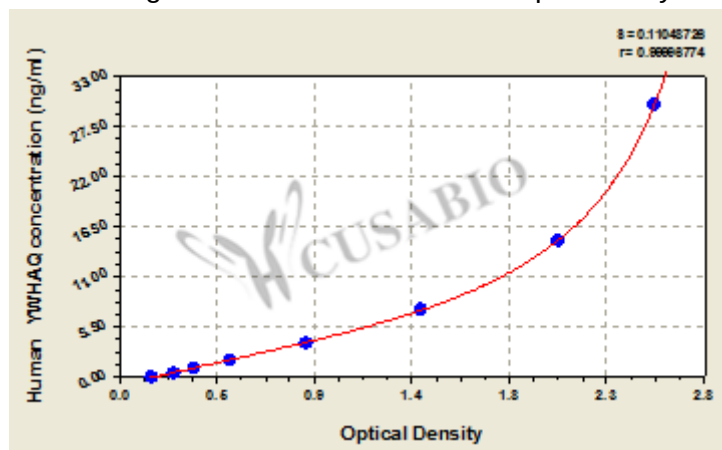
Recovery

The recovery of Human YWHAQ 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)	104	96-108
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
30	2.613	2.419	2.516	2.349
15	2.018	2.114	2.066	1.899
7.5	1.452	1.393	1.423	1.256
3.75	0.897	0.878	0.888	0.721
1.88	0.541	0.518	0.530	0.363
0.94	0.364	0.366	0.365	0.198
0.47	0.276	0.270	0.273	0.106
0	0.167	0.166	0.167	

**Msd**

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