



Human 14-3-3 protein beta/alpha (YWHAB) ELISA kit

Product Code	CSB-E12010h
Abbreviation	YWHAB
Target Name	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide
Uniprot No.	P31946
Alias	GW128, HS1, KCIP-1, 14-3-3 protein beta/alpha brain protein 14-3-3, beta isoform protein 1054 protein kinase C inhibitor protein-1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	6.25 ng/mL-400 ng/mL
Sensitivity	1.56 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	YWHAB
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human YWHAB ELISA Kit was designed for the quantitative measurement of Human YWHAB protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 6.25 ng/mL-400 ng/mL and the sensitivity is 1.56 ng/mL .
Target Details	This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified 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 YWHAB 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 %	92
	Range %	87-96
1:2	Average %	94
	Range %	90-98
1:4	Average %	89
	Range %	84-93
1:8	Average %	84
	Range %	80-88

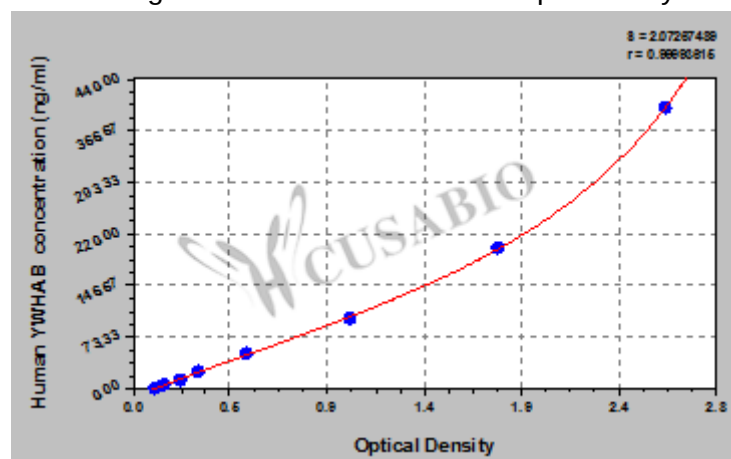
Recovery

The recovery of human YWHAB 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	88-95
EDTA plasma (n=4)	97	91-103

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
400	2.552	2.602	2.577	2.456
200	1.749	1.797	1.773	1.652
100	1.028	1.083	1.056	0.935
50	0.569	0.543	0.556	0.435
25	0.338	0.316	0.327	0.206
12.5	0.246	0.240	0.243	0.122
6.25	0.167	0.161	0.164	0.043
0	0.125	0.116	0.121	?

**Msd**

```
{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E12010h.pdf","filename":"MSDS"}}
```