Human Ephrin type-A receptor 4(EPHA4) ELISA kit

Product Code	CSB-EL007724HU
Abbreviation	EPHA4
Protein Biological Process 1	Cell Adhesion
Target Name	EPH receptor A4
Uniprot No.	P54764
Alias	HEK8, SEK, TYRO1, OTTHUMP00000164185|TYRO1 protein tyrosine kinase|ephrin receptor EphA4|ephrin type-A receptor 4|receptor protein-tyrosine kinase HEK8|tyrosine-protein kinase receptor SEK
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/mL-1600 pg/mL
Sensitivity	6.25 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	Signal Transduction
Gene Names	EPHA4
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human EPHA4 ELISA Kit was designed for the quantitative measurement of Human EPHA4 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 pg/mL.
Target Details	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH

subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands.

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 EPHA4 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 %	90-95
1:2	Average %	87
	Range %	85-89
1:4	Average %	87
	Range %	82-90
1:8	Average %	97
	Range %	91-103

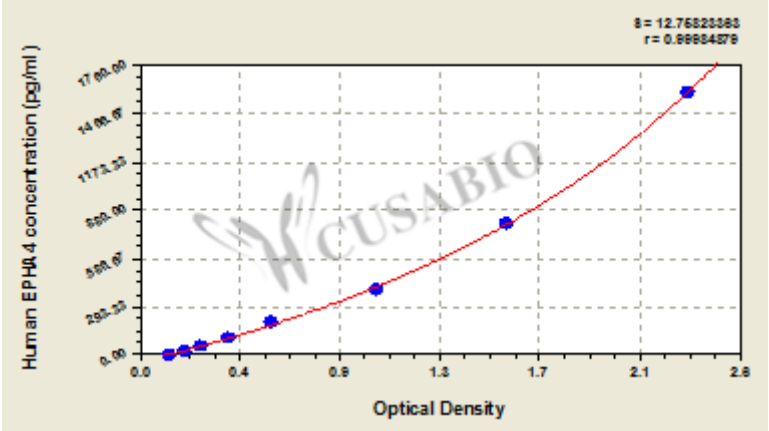
Recovery

The recovery of human EPHA4 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)	89	85-92
EDTA plasma (n=4)	87	85-90

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
1600	2.328	2.368	2.348	2.214
800	1.551	1.598	1.575	1.441
400	1.004	1.038	1.021	0.887
200	0.562	0.575	0.569	0.435
100	0.397	0.381	0.389	0.255
50	0.265	0.278	0.272	0.138
25	0.201	0.209	0.205	0.071
0	0.135	0.132	0.134	

Msds

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