Human Ephrin-A1(EFNA1) ELISA kit

Product Code	CSB-EL007460HU
Abbreviation	EFNA1
Protein Biological Process 1	Angiogenesis
Target Name	ephrin-A1
Uniprot No.	P20827
Alias	B61, ECKLG, EFL1, EPLG1, LERK1, TNFAIP4, eph-related receptor tyrosine kinase ligand 1|ephrin A1|immediate early response protein B61|ligand of eph-related kinase 1|tumor necrosis factor, alpha-indu
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Angiogenesis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 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	Cardiovascular
Gene Names	EFNA1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human EFNA1 ELISA Kit was designed for the quantitative measurement of Human EFNA1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.
Target Details	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage,

and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis.

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 EFNA1 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 %	84-92
1:2	Average %	96
	Range %	90-102
1:4	Average %	93
	Range %	85-97
1:8	Average %	88
	Range %	82-94

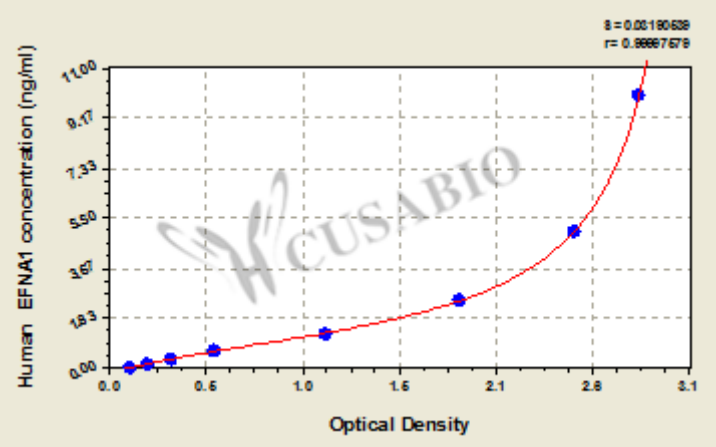
Recovery

The recovery of Human EFNA1 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)	93	87-97
EDTA plasma (n=4)	86	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
10	2.918	2.717	2.818	2.701
5	2.425	2.524	2.475	2.358
2.5	1.913	1.816	1.865	1.748
1.25	1.130	1.182	1.156	1.039
0.625	0.580	0.547	0.564	0.447
0.312	0.345	0.331	0.338	0.221
0.156	0.207	0.211	0.209	0.092
0	0.116	0.117	0.117	

Msds

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