



Human Delta-like protein 4(DLL4) ELISA kit

Product Code	CSB-EL006949HU
Abbreviation	DLL4
Protein Biological Process 1	Developmental Protein
Target Name	delta-like 4 (Drosophila)
Uniprot No.	Q9NR61
Alias	MGC126344, hdelta2, delta 4 delta ligand 4 delta-like 4 homolog delta-like 4 protein notch ligand DLL4 notch ligand delta-2
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Differentiation
Sample Types	serum, plasma, tissue homogenates
Detection Range	23.5 pg/mL-1500 pg/mL
Sensitivity	5.8 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	Developmental Biology
Gene Names	DLL4
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human DLL4 ELISA Kit was designed for the quantitative measurement of Human DLL4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 pg/mL.
Target Details	This gene is a homolog of the Drosophila delta gene. The delta gene family encodes Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain.
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 DLL4 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 %	84
	Range %	81-89
1:2	Average %	94
	Range %	90-98
1:4	Average %	83
	Range %	80-86
1:8	Average %	87
	Range %	83-90

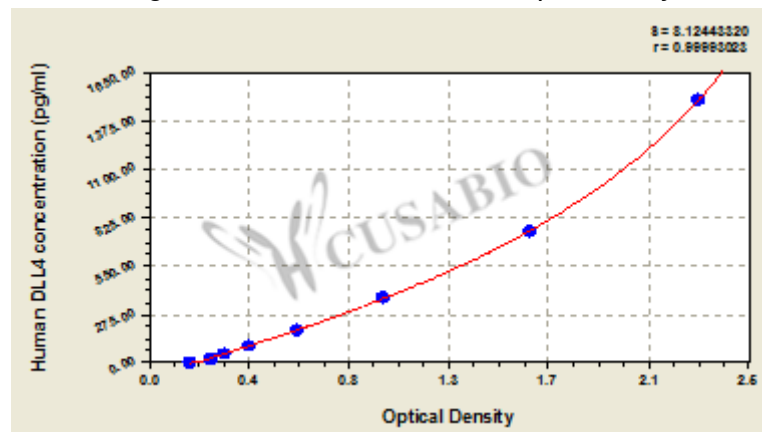
Recovery

The recovery of human DLL4 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)	95	91-99
EDTA plasma (n=4)	100	96-104

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
1500	2.261	2.298	2.280	2.098
750	1.575	1.595	1.585	1.403
375	0.989	0.975	0.982	0.800
187.5	0.643	0.606	0.625	0.443
94	0.434	0.429	0.432	0.250
47	0.317	0.338	0.328	0.146
23.5	0.267	0.278	0.273	0.091
0	0.181	0.183	0.182	

Msds

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