



Human Delta-like protein 3(DLL3) ELISA kit

Product Code	CSB-EL006948HU
Abbreviation	DLL3
Protein Biological Process 1	Developmental Protein
Target Name	delta-like 3 (Drosophila)
Uniprot No.	Q9NYJ7
Alias	SCDO1, delta-like 3 protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Differentiation
Sample Types	serum, plasma, tissue homogenates
Detection Range	18.75 pg/mL-1200 pg/mL
Sensitivity	4.68 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	DLL3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human DLL3 ELISA Kit was designed for the quantitative measurement of Human DLL3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 18.75 pg/mL-1200 pg/mL and the sensitivity is 4.68 pg/mL.
Target Details	This gene encodes a member of the delta protein ligand family. This family functions as Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain. Mutations in this gene cause autosomal recessive spondylocostal dysostosis 1. Two transcript variants encoding distinct isoforms 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 DLL3 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)
1:5	Average %	105
	Range %	100-112
1:10	Average %	97
	Range %	91-105
1:20	Average %	93
	Range %	89-100
1:40	Average %	95
	Range %	90-100

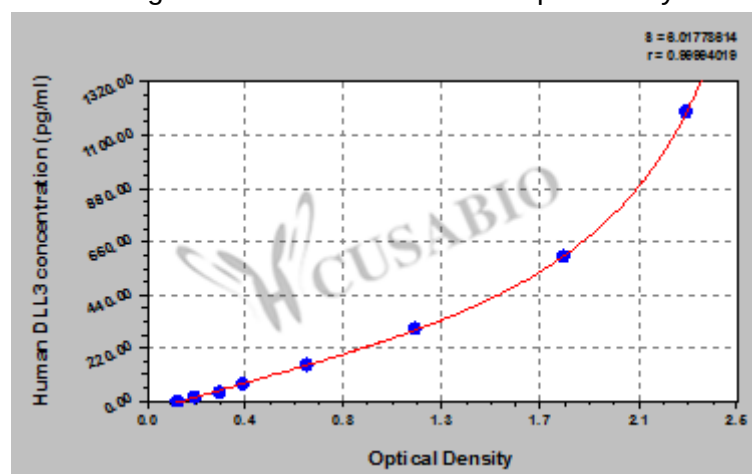
Recovery

The recovery of human DLL3 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	84-93
EDTA plasma (n=4)	96	91-100

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
1200	2.199	2.354	2.277	2.134
600	1.714	1.811	1.763	1.620
300	1.172	1.104	1.138	0.995
150	0.698	0.674	0.686	0.543
75	0.425	0.407	0.416	0.273
37.5	0.310	0.329	0.320	0.177
18.75	0.207	0.219	0.213	0.070
0	0.141	0.145	0.143	

**Msd**

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