



Human Podoplanin(PDPN) ELISA kit

Product Code	CSB-EL017739HU
Abbreviation	PDPN
Protein Biological Process 1	Cell Cycle
Target Name	podoplanin
Uniprot No.	Q86YL7
Alias	CTA-520D8.1, AGGRUS, GP36, GP40, Gp38, HT1A-1, OTS8, PA2.26, T1A, T1A-2, glycoprotein, 36-KD hT1alpha-1 hT1alpha-2 lung type I cell membrane associated glycoprotein lung type-I cell membrane-associa
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell shape
Sample Types	serum, plasma, tissue homogenates
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	Cardiovascular
Gene Names	PDPN
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human PDPN ELISA Kit was designed for the quantitative measurement of Human PDPN protein in serum, plasma, tissue homogenates. 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 encodes a type-I integral membrane glycoprotein with diverse distribution in human tissues. The physiological function of this protein may be related to its mucin-type character. The homologous protein in other species has been described as a differentiation antigen and influenza-virus receptor. The specific function of this protein has not been determined but it has been proposed as a marker of lung injury. Alternatively spliced transcript variants



encoding different isoforms have been identified.

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 PDPN 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 %	91
	Range %	86-95
1:10	Average %	95
	Range %	90-100
1:20	Average %	104
	Range %	99-108
1:40	Average %	88
	Range %	85-91

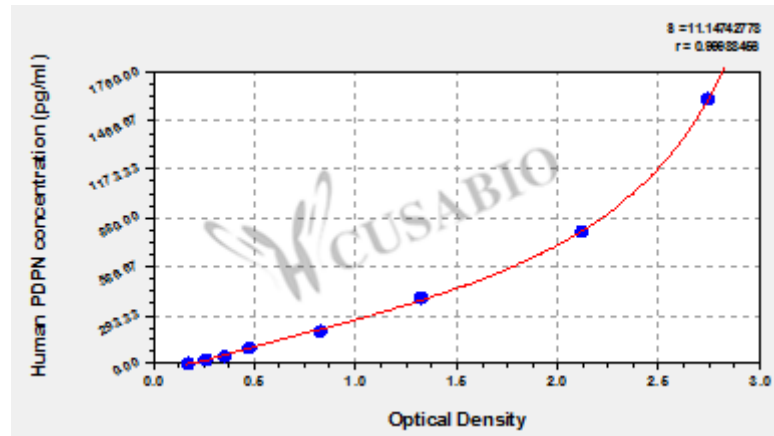
Recovery

The recovery of human PDPN 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	90-96
EDTA plasma (n=4)	105	103-107

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	2.654	2.795	2.725	2.537
800	2.022	2.200	2.111	1.923
400	1.278	1.369	1.324	1.136
200	0.801	0.867	0.834	0.646
100	0.486	0.492	0.489	0.301
50	0.378	0.363	0.371	0.183
25	0.263	0.282	0.273	0.085
0	0.186	0.189	0.188	

Msds

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