Human Programmed cell death 6-interacting protein(PDCD6IP) ELISA kit

Product Code	CSB-EL017673HU
Abbreviation	PDCD6IP
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	programmed cell death 6 interacting protein
Uniprot No.	Q8WUM4
Alias	AIP1, Alix, DRIP4, HP95, MGC17003, ALG-2 interacting protein 1|ALG-2 interacting protein X|apoptosis-linked gene 2-interacting protein X|dopamine receptor interacting protein 4|programmed cell death
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	47 pg/mL-3000 pg/mL
Sensitivity	11.7 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	Cell Biology
Gene Names	PDCD6IP
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human PDCD6IP ELISA Kit was designed for the quantitative measurement of Human PDCD6IP protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 47 pg/mL-3000 pg/mL and the sensitivity is 11.7 pg/mL.
Target Details	This gene encodes a protein thought to participate in programmed cell death. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of this gene binds to the product of the

PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. This gene product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of this gene product and endophilins results in cytoplasmic vacuolization, which may be partly responsible for the protection against cell death. Several alternatively spliced transcript variants encoding different isoforms have been found 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 PDCD6IP 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 %	91
	Range %	83-99
1:2	Average %	90
	Range %	84-94
1:4	Average %	97
	Range %	93-103
1:8	Average %	103
	Range %	95-107

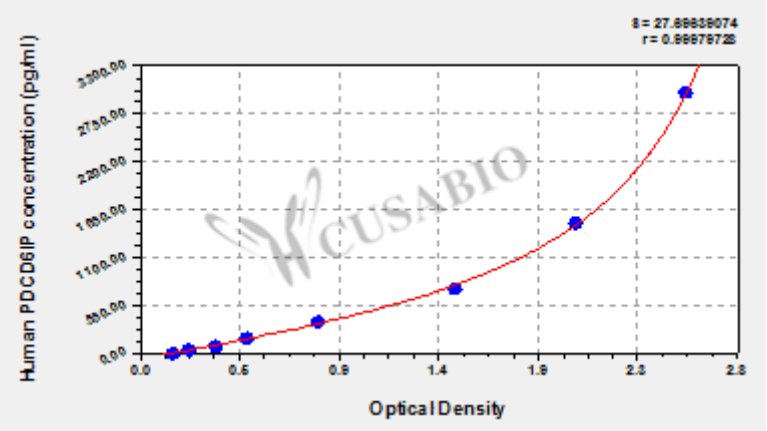
Recovery

The recovery of human PDCD6IP 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)	101	96-107
EDTA plasma (n=4)	89	84-94

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
3000	2.522	2.554	2.538	2.370
1500	1.984	2.069	2.027	1.859
750	1.472	1.464	1.468	1.300
375	0.849	0.828	0.839	0.671
187.5	0.514	0.499	0.507	0.339
94	0.356	0.381	0.369	0.201
47	0.239	0.252	0.246	0.078
0	0.168	0.167	0.168	?

Msds

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