



Human death-associated protein kinase (DAPK) ELISA Kit

Product Code	CSB-E14181h
Abbreviation	DAPK1
Target Name	death-associated protein kinase 1
Uniprot No.	P53355
Alias	DAPK, DKFZp781I035
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	Cancer
Gene Names	DAPK1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human DAPK1 ELISA Kit was designed for the quantitative measurement of Human DAPK1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/mL.
Target Details	Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor candidate.
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 DAPK 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)
	Average %	90
1:1	Range %	85-94
	Average %	87
1:2	Range %	82-94
	Average %	93
1:4	Range %	87-98
	Average %	104
1:8	Range %	100-110

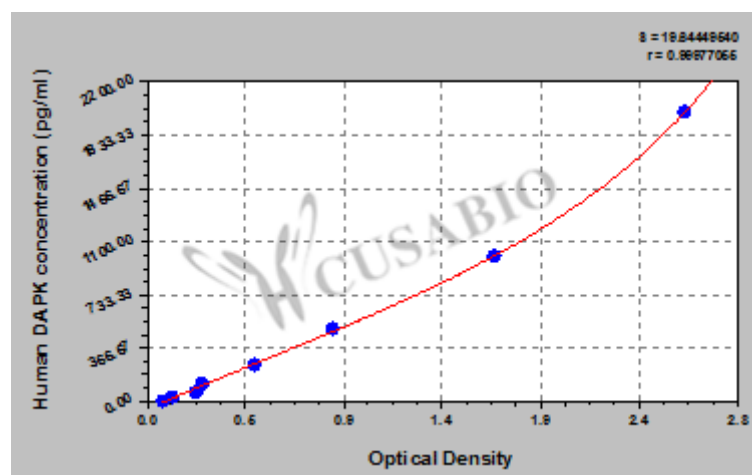
Recovery

The recovery of human DAPK 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)	94	90-100
EDTA plasma (n=4)	97	92-103

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
2000	2.609	2.534	2.572	2.487
1000	1.624	1.701	1.663	1.578
500	0.912	0.879	0.896	0.811
250	0.531	0.512	0.522	0.437
125	0.274	0.267	0.271	0.186
62.5	0.246	0.235	0.241	0.156
31.25	0.129	0.133	0.131	0.046
0	0.083	0.086	0.085	?



Msd

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