



Human Phosphotylinosital 3 kinase,PI3K ELISA Kit

Product Code	CSB-E08417h
Abbreviation	PI3K
Target Name	Phosphotylinosital 3 kinase,PI3K
Uniprot No.	P42336
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, tissue homogenates, cell lysates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 ng/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	Signal Transduction
Gene Names	PIK3CA
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human PI3K ELISA Kit was designed for the quantitative measurement of Human PI3K protein in serum, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.

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 PI3K 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 %	88
	Range %	84-98



1:2	Average %	98
	Range %	91-105
1:4	Average %	92
	Range %	85-99
1:8	Average %	86
	Range %	80-92

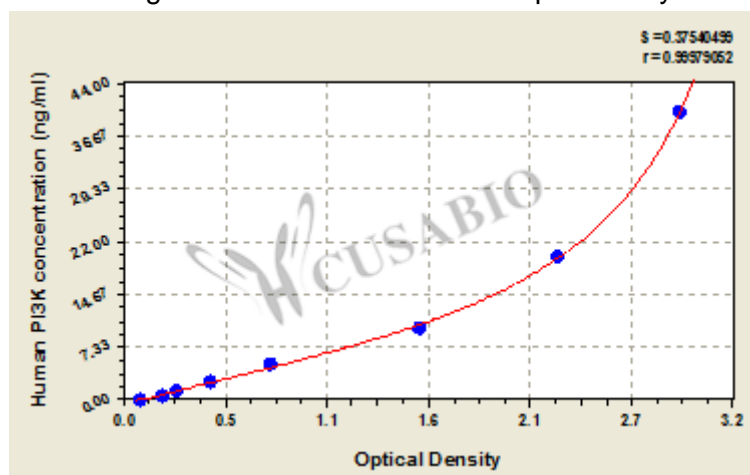
Recovery

The recovery of human PI3K 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)	98	92-103

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
40	2.942	2.900	2.921	2.827
20	2.289	2.278	2.284	2.190
10	1.576	1.545	1.561	1.467
5	0.788	0.768	0.778	0.684
2.5	0.472	0.445	0.459	0.365
1.25	0.293	0.278	0.286	0.192
0.625	0.218	0.205	0.212	0.118
0	0.096	0.092	0.094	?

Msds

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