



Rat Phosphotylinosital 3 kinase,PI3K ELISA Kit

Product Code	CSB-E08418r
Abbreviation	PI3K
Target Name	Phosphotylinosital 3 kinase,PI3K
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	Signal Transduction
Gene Names	Pik3cb
Tag Info	quantitative
Protein Description	Sandwich

Description	This Rat PI3K ELISA Kit was designed for the quantitative measurement of Rat PI3K protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
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Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>
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Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of rat 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 % 93
		Range % 89-95
	1:2	Average % 103
		Range % 99-107
	1:4	Average % 93
		Range % 88-94



1:8	Average %	99
	Range %	95-103

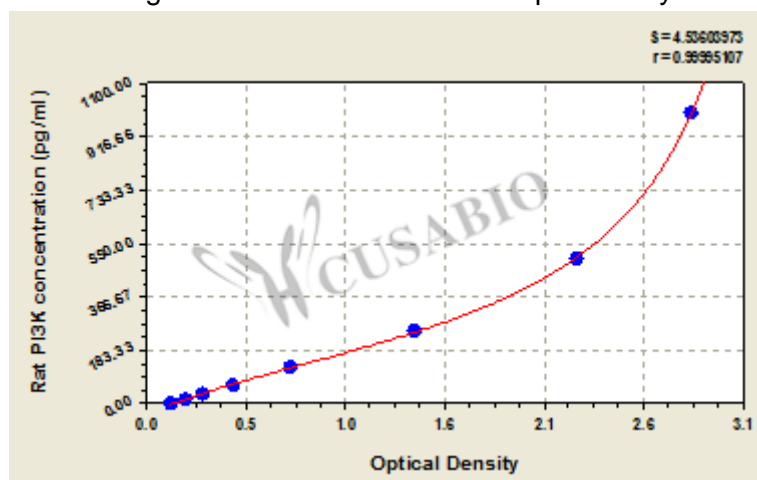
Recovery

The recovery of rat 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)	94	90-98
EDTA plasma (n=4)	96	91-99

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
1000	2.860	2.778	2.819	2.679
500	2.231	2.222	2.227	2.087
250	1.379	1.404	1.392	1.252
125	0.748	0.761	0.755	0.615
62.5	0.464	0.448	0.456	0.316
31.2	0.307	0.302	0.305	0.165
15.6	0.218	0.211	0.215	0.075
0	0.141	0.139	0.140	?

Msds

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