



Rat lipoprotein-associated phospholipase A2,Lp-PLA2 ELISA Kit

Product Code	CSB-E08320r
Abbreviation	Lp-PLA2
Target Name	lipoprotein-associated phospholipase A2,Lp-PLA2
Uniprot No.	Q5M7T7
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma
Detection Range	0.78 IU/mL-50 IU/mL
Sensitivity	0.195 IU/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	Others
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rat Lp-PLA2 ELISA Kit was designed for the quantitative measurement of Rat Lp-PLA2 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 0.78 IU/mL-50 IU/mL and the sensitivity is 0.195 IU/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 rat Lp-PLA2 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 %	92
	Range %	88-96



1:2	Average %	105
	Range %	100-110
1:4	Average %	86
	Range %	82-90
1:8	Average %	93
	Range %	89-98

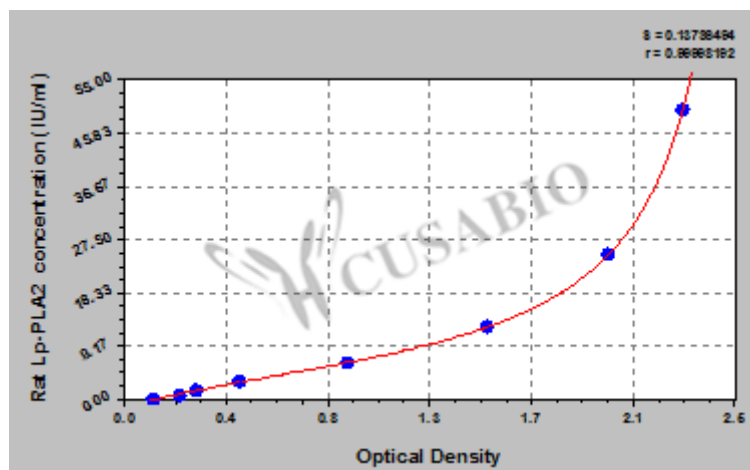
Recovery

The recovery of rat Lp-PLA2 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)	95	90-100
EDTA plasma (n=4)	88	84-92

Typical

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



IU/ml	OD1	OD2	Average	Corrected
50	2.203	2.361	2.282	2.152
25	1.924	2.040	1.982	1.852
12.5	1.512	1.459	1.486	1.356
6.25	0.936	0.902	0.919	0.789
3.12	0.477	0.485	0.481	0.351
1.56	0.300	0.318	0.309	0.179
0.78	0.241	0.234	0.238	0.108
0	0.132	0.127	0.130	?

Msds

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