



# Rat secreted phospholipase A2,sPLA2 ELISA Kit

Product Code	CSB-E13206r													
Abbreviation	sPLA2													
Target Name	secreted phospholipase A2,sPLA2													
Product Type	ELISA Kit													
Immunogen Species	Rattus norvegicus (Rat)													
Sample Types	serum, plasma, tissue homogenates													
Detection Range	0.78 ng/mL-50 ng/mL													
Sensitivity	0.195 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	Others													
Gene Names	PLA2G1B													
Tag Info	quantitative													
Protein Description	Sandwich													
Description	<p>This Rat sPLA2 ELISA Kit was designed for the quantitative measurement of Rat sPLA2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.78 ng/mL-50 ng/mL and the sensitivity is 0.195 ng/mL.</p>													
Product Precision	<p><b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b> Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;10%</b> Three samples of known concentration were tested in twenty assays to assess.</p>													
Linearity	<p>To assess the linearity of the assay, samples were spiked with high concentrations of rat sPLA2 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td rowspan="2">1:1</td><td>Average %</td><td>91</td></tr><tr><td>Range %</td><td>86-95</td></tr><tr><td rowspan="2">1:2</td><td>Average %</td><td>93</td></tr><tr><td>Range %</td><td>87-97</td></tr></table>	?	Sample	Serum(n=4)	1:1	Average %	91	Range %	86-95	1:2	Average %	93	Range %	87-97
?	Sample	Serum(n=4)												
1:1	Average %	91												
	Range %	86-95												
1:2	Average %	93												
	Range %	87-97												



1:4	Average %	91
	Range %	85-97
1:8	Average %	92
	Range %	88-96

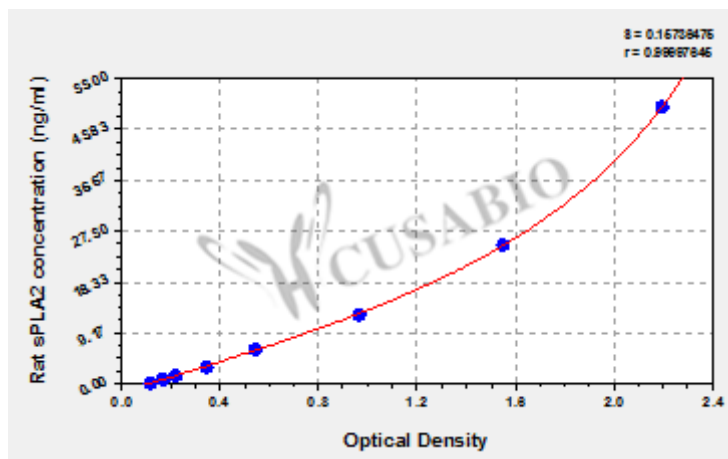
## Recovery

The recovery of rat sPLA2 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)	87	82-93
EDTA plasma (n=4)	92	87-94

## 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
50	2.256	2.188	2.222	2.093
25	1.633	1.509	1.571	1.442
12.5	0.998	0.970	0.984	0.855
6.25	0.564	0.553	0.559	0.430
3.12	0.367	0.352	0.360	0.231
1.56	0.242	0.232	0.237	0.108
0.78	0.186	0.180	0.183	0.054
0	0.130	0.128	0.129	?

## Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E13206r.pdf","filename":"MSDS"}}