



Human Phospholipase A1 member A(PLA1A)

ELISA kit

Product Code	CSB-EL018084HU
Protein Biological Process 2	Lipogenesis and lipometabolism
Abbreviation	PLA1A
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	phospholipase A1 member A
Uniprot No.	Q53H76
Alias	PS-PLA1, PSPLA1, phosphatidylserine-specific phospholipase A1alpha
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Lipid degradation
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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	Metabolism
Gene Names	PLA1A
Tag Info	quantitative
Protein Description	Sandwich
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>

Linearity



To assess the linearity of the assay, samples were spiked with high concentrations of human PLA1A 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 %	82-95
1:2	Average %	97
	Range %	93-101
1:4	Average %	99
	Range %	95-106
1:8	Average %	93
	Range %	87-99

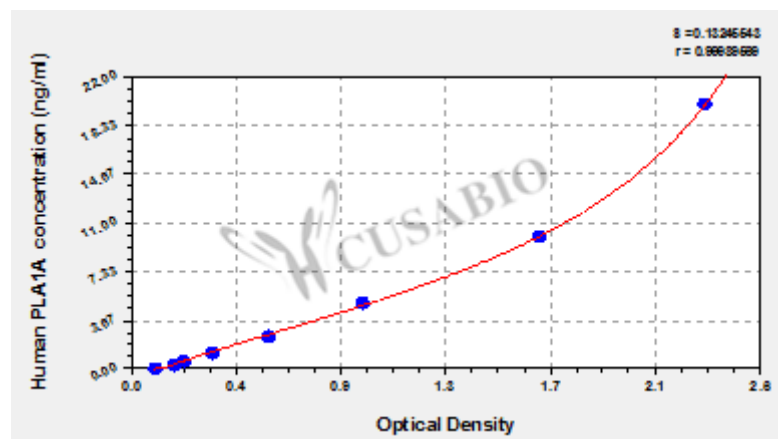
Recovery

The recovery of human PLA1A 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)	91	87-95
EDTA plasma (n=4)	99	95-104

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
20	2.340	2.344	2.342	2.237
10	1.604	1.741	1.673	1.568
5	0.936	0.968	0.952	0.847
2.5	0.576	0.554	0.565	0.460
1.25	0.353	0.325	0.339	0.234
0.625	0.230	0.213	0.222	0.117
0.312	0.185	0.180	0.183	0.078
0	0.104	0.106	0.105	?

Msds

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