



Human Group XIIA secretory phospholipase A2(PLA2G12A) ELISA kit

Product Code	CSB-EL018086HU
Protein Biological Process 2	Lipogenesis and lipometabolism
Abbreviation	PLA2G12A
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	phospholipase A2, group XIIA
Uniprot No.	Q9BZM1
Alias	GXII, PLA2G12, ROSSY, group XII secreted phospholipase A2 group XIIA secreted phospholipase A2
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Lipid degradation
Sample Types	serum, plasma, tissue homogenates
Detection Range	4.7 pg/mL-300 pg/mL
Sensitivity	1.2 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	Metabolism
Gene Names	PLA2G12A
Tag Info	quantitative
Protein Description	Competitive
Description	This Human PLA2G12A ELISA Kit was designed for the quantitative measurement of Human PLA2G12A protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 4.7 pg/mL-300 pg/mL and the sensitivity is 1.2 pg/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 PLA2G12A 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)
	Average %	93
1:20	Range %	90-96
	Average %	107
1:40	Range %	103-110
	Average %	86
1:80	Range %	83-90
	Average %	101
1:160	Range %	98-106

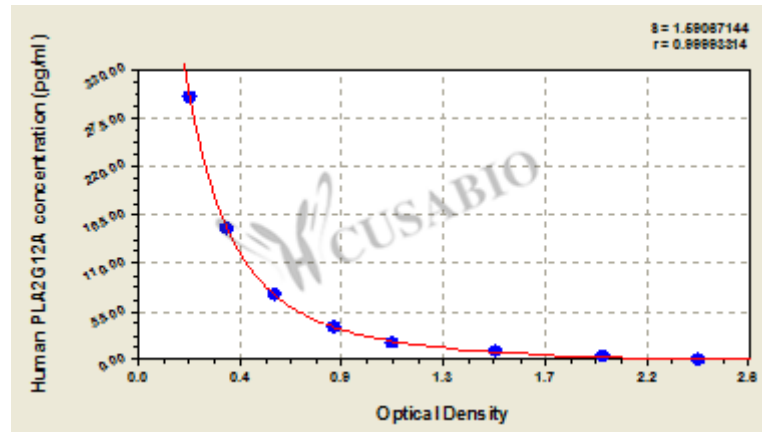
Recovery

The recovery of human PLA2G12A 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)	85	80-90
EDTA plasma (n=4)	101	97-106

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
300	0.236	0.230	0.233
150	0.386	0.391	0.389
75	0.589	0.592	0.591
37.5	0.847	0.834	0.841
18.75	1.076	1.100	1.088
9.4	1.534	1.502	1.518
4.7	1.952	1.991	1.972
0	2.345	2.401	2.373