

Human Lipoprotein associated Phospholipase A2 ELISA Kit | Lp PL A2 elisa kit

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CATALOG #
AAA16475

REACTIVITY
Human

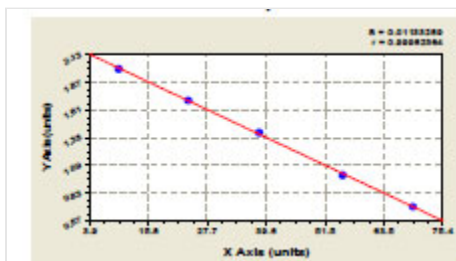
PRODUCT SYNONYMS

Lipoprotein associated Phospholipase A2; Human Lipoprotein associated Phospholipase A2 ELISA Kit; Lp PL A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Lp PL A2 elisa kit

Intended Uses: This Lp-PLA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Lp-PLA2. This ELISA kit for research use only!

Principle of the Assay||Lp-PLA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Lp-PLA2 antibody and an Lp-PLA2-HRP conjugate. The assay sample and buffer are incubated together with Lp-PLA2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Lp-PLA2 concentration since Lp-PLA2 from samples and Lp-PLA2-HRP conjugate compete for the anti-Lp-PLA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by Lp-PLA2 from the sample, fewer sites are left to bind Lp-PLA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Lp-PLA2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Lp PL A2 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	1314246
NCBI GeneID	7941
Molecular Weight	50,077 Da
NCBI Official Full Name	LDL-phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
NCBI Official Symbol	PLA2G7
NCBI Official Synonym Symbols	PAFAD; PAFAH; LP-PLA2; LDL-PLA2
NCBI Protein Information	platelet-activating factor acetylhydrolase; LDL-PLA(2); gVIIA-PLA2; PAF 2-acylhydrolase; PAF acetylhydrolase; group-VIIA phospholipase A2; LDL-associated phospholipase A2; lipoprotein-associated phospholipase A2; 1-alkyl-2-acetyl-glycerophosphocholine esterase; 2-acetyl-1-alkyl-glycerophosphocholine esterase
UniProt Protein Name	Platelet-activating factor acetylhydrolase
UniProt Gene Name	PLA2G7
UniProt Synonym Gene Names	PAFAH; PAF acetylhydrolase; gVIIA-PLA2; LDL-PLA(2)
UniProt Entry Name	PAFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lp-pl-a2-human-elisa-kits/lipoprotein-associated-phospholipase-a2/16475>