

PLA2G7/Lp-PLA2 elisa kit

Human PLA2G7/Lp-PLA2 PicoKine ELISA Kit

CATALOG # AAA124878	REACTIVITY Human There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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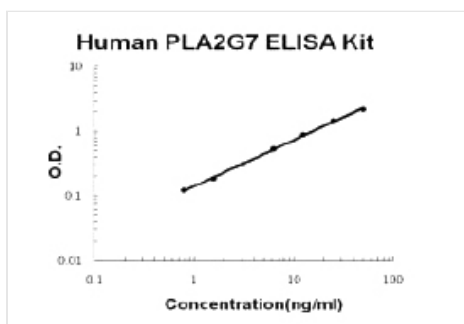
PRODUCT SYNONYMS

PLA2G7/Lp-PLA2; Human PLA2G7/Lp-PLA2 PicoKine ELISA Kit; Platelet-activating factor acetylhydrolase; PAF acetylhydrolase; 1-alkyl-2-acetylglycerophosphocholine esterase; 2-acetyl-1-alkylglycerophosphocholine esterase; Group-VIIA phospholipase A2; gVIIA-PLA2; LDL-associated phospholipase A2; LDL-PLA(2); PAF 2-acylhydrolase; PLA2G7; PAFAH; PLA2G7/Lp-PLA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human PLA2G7/Lp-PLA2
Sequence Length	441
Assay Type	Quantitative Sandwich
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<20pg/ml
Applicable Applications for PLA2G7/Lp-PLA2 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G7/Lp-PLA2 elisa kit	Principle of the Assay: Human PLA2G7/Lp-PLA2 ELISA Kit was based on standard sandwich enzyme-linked immune- sorbent assay technology. A monoclonal antibody from mouse specific for PLA2G7/Lp-PLA2 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli, Immunogen sequence: F22-N441) and test samples are added to the wells, a biotinylated detection biotinylated polyclonal antibody from goat specific for PLA2G7/Lp-PLA2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PLA2G7/Lp-PLA2 amount of sample captured in plate. Background: Lipoprotein-associated phospholipase A2 (Lp-PLA2) also known as platelet-activating factor acetylhydrolase (PAF-AH) is a phospholipase A2 enzyme that in humans is encoded by the PLA2G7 gene. Lp-PLA2 is a 45-kDa protein of 441 amino acids. It is one of several PAF acetylhydrolases. The protein encoded by this gene is a secreted enzyme that catalyzes the degradation of platelet- activating factor to biologically inactive products. Defects in this gene are a cause of platelet- activating factor acetylhydrolase deficiency. Two transcript variants encoding the same protein have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	270133071
NCBI GeneID	7941
NCBI Accession #	NP_001161829.1
NCBI GenBank Nucleotide #	NM_001168357.1
UniProt Accession #	Q13093; Q15692; Q5VTT1; Q8IVA2; A5HTT5
Molecular Weight	50,077 Da
NCBI Official Full Name	platelet-activating factor acetylhydrolase
NCBI Official Synonym Full Names	phospholipase A2 group VII
NCBI Official Symbol	PLA2G7
NCBI Official Synonym Symbols	PAFAD; PAFAH; LP-PLA2; LDL-PLA2
NCBI Protein Information	platelet-activating factor acetylhydrolase
UniProt Protein Name	Platelet-activating factor acetylhydrolase
UniProt Gene Name	PLA2G7
UniProt Synonym Gene Names	PAFAH; PAF acetylhydrolase; gVIIA-PLA2; LDL-PLA(2)

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/human-elisa-kits/pla2g7-lp-pla2/124878>