

Human phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) ELISA Kit | PLA2G7 elisa kit

Human lipoprotein-associated phospholipase A2, Lp-PLA2 ELISA Kit

CATALOG #

AAA15469

REACTIVITY

Human

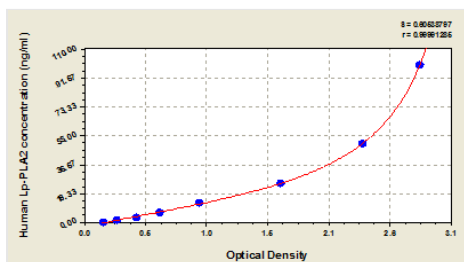
PRODUCT SYNONYMS

phospholipase A2; group VII (platelet-activating factor acetylhydrolase; plasma); Human lipoprotein-associated phospholipase A2; Lp-PLA2 ELISA Kit; LDL-PLA2; LP-PLA2; PAFAH; 1-alkyl-2-acetyl glycerophosphocholine esterase; 2-acetyl-1-alkyl glycerophosphocholine esterase; PAF 2-acylhydrolase; lipoprotein-associated phospholipase A2; ; PLA2G7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human Lp-PLA2. No significant cross-reactivity or interference between human Lp-PLA2 and analogues was observed.
Sequence Length	441
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/ml-100 ng/ml
Sensitivity	< 0.39 ng/ml
Intra-assay 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	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G7 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for Lp-PLA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Lp-PLA2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Lp-PLA2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Lp-PLA2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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 (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/pla2g7-human-elisa-kits/phospholipase-a2-group-vii-platelet-activating-factor-acetylhydrolase-plasma/15469>