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

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

CATALOG #	REACTIVITY
AAA15317	**Mouse**

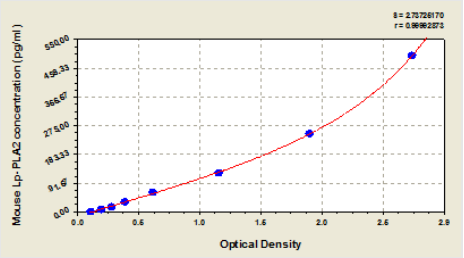
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse Lp-PLA2. No significant cross-reactivity or interference between mouse Lp-PLA2 and analogues was observed.
Sequence Length	440
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	7.8 pg/ml-500 pg/ml
Sensitivity	< 1.95 pg/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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31980752
NCBI GeneID	27226
NCBI Accession #	NP_038765.2
NCBI GenBank Nucleotide #	NM_013737.5
UniProt Accession #	Q60963; Q8BKM3; Q921T4
Molecular Weight	49,258 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	R75400
NCBI Protein Information	platelet-activating factor acetylhydrolase; LDL-PLA(2); PAF 2-acylhydrolase; PAF acetylhydrolase; LDL-associated phospholipase A2; 1-alkyl-2-acetylglycerophosphocholine esterase; 2-acetyl-1-alkylglycerophosphocholine esterase
UniProt Protein Name	Platelet-activating factor acetylhydrolase
UniProt Gene Name	**Pla2g7**
UniProt Synonym Gene Names	Pafah; PAF acetylhydrolase; LDL-PLA(2)
UniProt Entry Name	PAFA_MOUSE

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://www.aaabiotech.com/pla2g7-mouse-elisa-kits/phospholipase-a2-group-vii-platelet-activating-factor-acetylhydrolase-plasma/15317