

Rat Phospholipase A2, Lipoprotein Associated (LpPLA2) ELISA Kit | LpPLA2 elisa kit

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CATALOG #
AAA141182

REACTIVITY
Rat

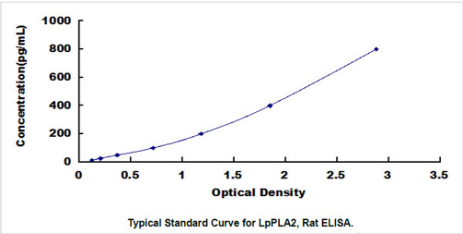
PRODUCT SYNONYMS

Phospholipase A2; Lipoprotein Associated (LpPLA2); Rat Phospholipase A2; Lipoprotein Associated (LpPLA2) ELISA Kit; PLA2G7; PAF-AH; PAFAH; Lp-PLA2; LDL-PLA2; Platelet Activating Factor Acetylhydrolase; Plasma; Group VII; LDL-associated phospholipase A2; LpPLA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Phospholipase A2, Lipoprotein Associated (LpPLA2). No significant cross-reactivity or interference between Phospholipase A2, Lipoprotein Associated (LpPLA2) and analogues was observed.
Sequence Length	144
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	12.5-800pg/mL
Sensitivity	5.4pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Phospholipase A2, Lipoprotein Associated (LpPLA2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Phospholipase A2, Lipoprotein Associated (LpPLA2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LpPLA2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Phospholipase A2, Lipoprotein Associated (LpPLA2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Phospholipase A2, Lipoprotein Associated (LpPLA2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Phospholipase A2, Lipoprotein Associated (LpPLA2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Phospholipase A2, Lipoprotein Associated (LpPLA2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LpPLA2 elisa kit	Enzyme & Kinase; Metabolic pathway; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	239915991
NCBI GeneID	5320
NCBI Accession #	NP_001155201.1
NCBI GenBank Nucleotide #	NM_001161729.1
Molecular Weight	16,083 Da
NCBI Official Full Name	phospholipase A2, membrane associated
NCBI Official Synonym Full Names	phospholipase A2, group IIA (platelets, synovial fluid)
NCBI Official Symbol	PLA2G2A
NCBI Official Synonym Symbols	MOM1; PLA2; PLA2B; PLA2L; PLA2S; PLAS1; sPLA2
NCBI Protein Information	phospholipase A2, membrane associated
UniProt Protein Name	Phospholipase A2, membrane associated
UniProt Gene Name	PLA2G2A
UniProt Synonym Gene Names	PLA2B; PLA2L; RASF-A; NPS-PLA2
UniProt Entry Name	PA2GA_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.