

Human Phospholipase A2, Group V (PLA2G5) ELISA Kit | PLA2G5 elisa kit

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CATALOG #
AAA129602

REACTIVITY
Human

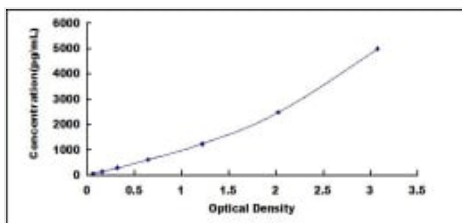
PRODUCT SYNONYMS

Phospholipase A2; Group V (PLA2G5); Human Phospholipase A2; Group V (PLA2G5) ELISA Kit; PLA2-10; Calcium-dependent phospholipase A2; Group V phospholipase A2; Phosphatidylcholine 2-acylhydrolase 5; PLA2G5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Phospholipase A2, Group V (PLA2G5). No significant cross-reactivity or interference between Phospholipase A2, Group V (PLA2G5) and analogues was observed.
Sequence Length	138
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	78-5000pg/mL
Sensitivity	33pg/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, Group V (PLA2G5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Phospholipase A2, Group V (PLA2G5) 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 PLA2G5 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, Group V (PLA2G5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Phospholipase A2, Group V (PLA2G5). 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, Group V (PLA2G5), 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, Group V (PLA2G5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PLA2G5 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	37589934
NCBI GeneID	5322
UniProt Accession #	P39877; Q8N435
Molecular Weight	15,674 Da
NCBI Official Full Name	Phospholipase A2, group V
NCBI Official Synonym Full Names	phospholipase A2, group V
NCBI Official Symbol	PLA2G5
NCBI Official Synonym Symbols	FRFB; GV-PLA2; PLA2-10; hVPLA(2)
NCBI Protein Information	calcium-dependent phospholipase A2
UniProt Protein Name	Calcium-dependent phospholipase A2
UniProt Gene Name	PLA2G5
UniProt Entry Name	PA2G5_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.