

Human Phospholipase A2, Group IVD (PLA2G4D) ELISA Kit | PLA2G4D elisa kit

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CATALOG #
AAA67786

REACTIVITY
Human

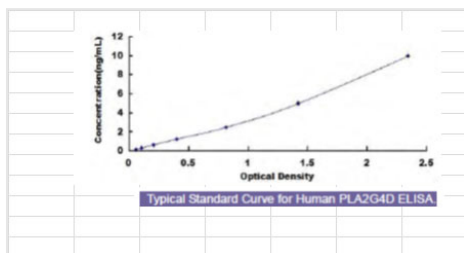
PRODUCT SYNONYMS

Phospholipase A2; Group IVD (PLA2G4D); Human Phospholipase A2; Group IVD (PLA2G4D) ELISA Kit; cPLA2delta; Cytosolic phospholipase A2 delta; PLA2G4D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PLA2G4D. No significant cross-reactivity or interference between PLA2G4D and analogues was observed.
Sequence Length	818
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLA2G4D were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PLA2G4D were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G4D elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PLA2G4D in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PLA2G4D. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PLA2G4D. 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 PLA2G4D, 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 PLA2G4D in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116174754
NCBI GeneID	283748
NCBI Accession #	NP_828848.3
NCBI GenBank Nucleotide #	NM_178034.3
UniProt Accession #	Q86XP0; Q8N176
Molecular Weight	80,930 Da
NCBI Official Full Name	cytosolic phospholipase A2 delta
NCBI Official Synonym Full Names	phospholipase A2 group IVD
NCBI Official Symbol	PLA2G4D
NCBI Official Synonym Symbols	cPLA2delta
NCBI Protein Information	cytosolic phospholipase A2 delta
UniProt Protein Name	Cytosolic phospholipase A2 delta
UniProt Gene Name	PLA2G4D
UniProt Synonym Gene Names	cPLA2-delta

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/phospholipase-a2-group-ivd-pla2g4d/67786>