

Mouse Phospholipase A2, Group IID (PLA2G2D) ELISA Kit | PLA2G2D elisa kit

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CATALOG #
AAA66869

REACTIVITY
Mouse

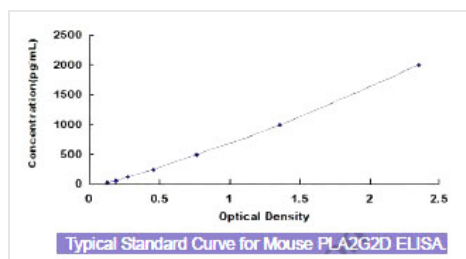
PRODUCT SYNONYMS

Phospholipase A2; Group IID (PLA2G2D); Mouse Phospholipase A2; Group IID (PLA2G2D) ELISA Kit; PLA2G2D; sPLA2S; s-PLA2; sPLA2; SPLASH; Secreted Phospholipase A2; Phosphatidylcholine 2-acylhydrolase 2D; Secretory-type PLA; stroma-associated homolog; PLA2G2D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PLA2G2D. No significant cross-reactivity or interference between PLA2G2D and analogues was observed.
Sequence Length	144
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	12.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLA2G2D 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 PLA2G2D 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 PLA2G2D elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PLA2G2D in mouse serum, plasma, 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 PLA2G2D. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PLA2G2D. 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 PLA2G2D, 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 PLA2G2D 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 #	7242177
NCBI GeneID	18782
NCBI Accession #	NP_035239.1
NCBI GenBank Nucleotide #	NM_011109.2
UniProt Accession #	Q9WVF6; Q3V4B8; Q9JLK0
Molecular Weight	13,514 Da
NCBI Official Full Name	group IID secretory phospholipase A2 isoform 1
NCBI Official Synonym Full Names	phospholipase A2, group IID
NCBI Official Symbol	Pla2g2d
NCBI Official Synonym Symbols	mGIID; Splash
NCBI Protein Information	group IID secretory phospholipase A2
UniProt Protein Name	Group IID secretory phospholipase A2
UniProt Gene Name	Pla2g2d
UniProt Synonym Gene Names	Pla2a2; Splash; GIID sPLA2; sPLA2-IID

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/phospholipase-a2-group-iid-pla2g2d/66869>