

Mouse phospholipase A2, group V ELISA Kit | PLA2G5 elisa kit

Mouse Calcium-dependent phospholipase A2, PLA2G5 ELISA Kit

CATALOG #
AAA18347

REACTIVITY
Mouse

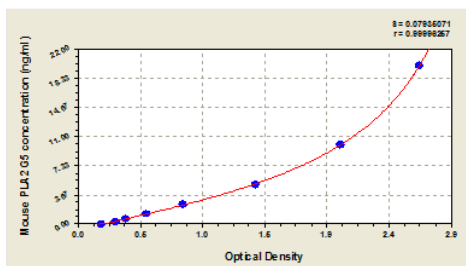
PRODUCT SYNONYMS

phospholipase A2; group V; Mouse Calcium-dependent phospholipase A2; PLA2G5 ELISA Kit; Mouse Calcium-dependent phospholipase A2 (PLA2G5) ELISA kit; DKFZp686C2294; GV-PLA2; MGC46205; PLA2-10; hVPLA (2); Ca²⁺-dependent phospholipase A2; phosphatidylcholine 2-acylhydrolase; PLA2G5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse PLA2G5. No significant cross-reactivity or interference between Mouse PLA2G5 and analogues was observed.
Sequence Length	137
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	Lipogenesis and lipometabolism
Protein Biological Process 3	Lipid degradation
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 PLA2G5 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PLA2G5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PLA2G5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLA2G5 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 PLA2G5 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	171906563
NCBI GeneID	18784
NCBI Accession #	NP_001116426.1
NCBI GenBank Nucleotide #	NM_001122954.1
UniProt Accession #	P97391; Q9QZU6
Molecular Weight	15,859 Da
NCBI Official Full Name	calcium-dependent phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group V
NCBI Official Symbol	Pla2g5
NCBI Official Synonym Symbols	PLA2; sPLA2
NCBI Protein Information	calcium-dependent phospholipase A2; PLA2-10; group V phospholipase A2; phosphatidylcholine 2-acylhydrolase 5
UniProt Protein Name	Calcium-dependent phospholipase A2
UniProt Gene Name	Pla2g5
UniProt Entry Name	PA2G5_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.