

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

Human Calcium-dependent phospholipase A2, PLA2G5 ELISA Kit

CATALOG #
AAA18106

REACTIVITY
Human

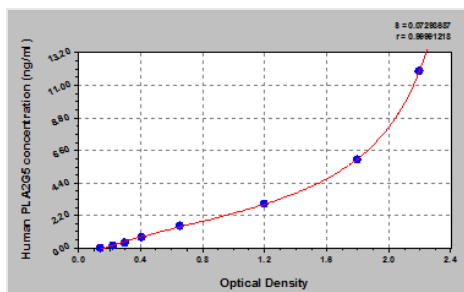
PRODUCT SYNONYMS

phospholipase A2; group V; Human Calcium-dependent phospholipase A2; PLA2G5 ELISA Kit; Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PLA2G5. No significant cross-reactivity or interference between human PLA2G5 and analogues was observed.
Sequence Length	138
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.18 ng/ml-12 ng/ml
Sensitivity	< 0.04 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 #	4505853
NCBI GeneID	5322
NCBI Accession #	NP_000920.1
NCBI GenBank Nucleotide #	NM_000929.2
UniProt Accession #	P39877; Q8N435
Molecular Weight	15,674 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	FRFB; GV-PLA2; PLA2-10; hVPLA(2)
NCBI Protein Information	calcium-dependent phospholipase A2; Ca2+-dependent phospholipase A2; phosphatidylcholine 2-acylhydrolase 5
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.