

Human phospholipase A2, group IB (pancreas) ELISA Kit | PLA2G1B elisa kit

Human Phospholipase A2, PLA2 ELISA Kit

CATALOG #
AAA15438

REACTIVITY
Human

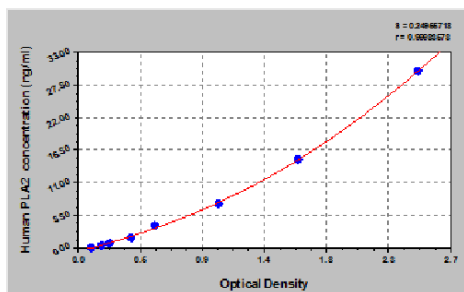
PRODUCT SYNONYMS

phospholipase A2; group IB (pancreas); Human Phospholipase A2; PLA2 ELISA Kit; MGC119834; MGC119835; PLA2; PLA2A; PPLA2; phosphatidylcholine 2-acylhydrolase; phospholipase A2 group IB; PLA2G1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PLA2. No significant cross-reactivity or interference between human PLA2 and analogues was observed.
Sequence Length	148
Samples	Serum, plasma and tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.45 ng/ml-30 ng/ml
Sensitivity	< 0.11 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 PLA2G1B elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PLA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PLA2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLA2 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 PLA2 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 #	4505847
NCBI GeneID	5319
NCBI Accession #	NP_000919.1
NCBI GenBank Nucleotide #	NM_000928.2
UniProt Accession #	P04054; Q3KPI1; B2R4H5
Molecular Weight	16,360 Da
NCBI Official Full Name	phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group IB (pancreas)
NCBI Official Symbol	PLA2G1B
NCBI Official Synonym Symbols	PLA2; PLA2A; PPLA2
NCBI Protein Information	phospholipase A2; phosphatidylcholine 2-acylhydrolase 1B
UniProt Protein Name	Phospholipase A2
UniProt Gene Name	PLA2G1B
UniProt Synonym Gene Names	PLA2; PLA2A; PPLA2
UniProt Entry Name	PA21B_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.

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Online datasheet: <https://stage.aaabiotech.com/pla2g1b-human-elisa-kits/phospholipase-a2-group-ib-pancreas/15438>