

Human 85 kDa calcium-independent phospholipase A2 ELISA Kit | PLA2G6 elisa kit

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CATALOG #
AAA100471

REACTIVITY
Human

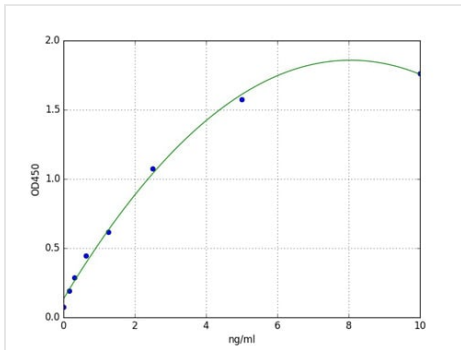
PRODUCT SYNONYMS

85 kDa calcium-independent phospholipase A2; Human 85 kDa calcium-independent phospholipase A2 ELISA Kit; iPLA2 (Phospholipidase A2; Calcium Independent)/PLA2G6/Cal-PLA2/PNPLA2/ATGL/TTS2/PEDF-R/iPLA2zeta/Pigment epithelium-derived factor/iPLA2-zeta/Desnutrin/Transport-secretion protein 2 (TTS2)/Adipose triglyceride lipase/Calcium-independent phospholipase A2/Patatin-like phospholipase domain-containing protein 2/Desnutrin/iPLA2-zeta/dipose triglyceride lipase/Calcium-independent phospholipase A2; PLA2G6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	752
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Results of a typical standard run of a Human iPLA2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.018	0.172	0.305	0.568	0.954	1.434	1.877	2.123

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G6 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human iPLA2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human iPLA2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human iPLA2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human iPLA2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6842055
NCBI GeneID	53357
Molecular Weight	83,702 Da
NCBI Official Full Name	85 kDa calcium-independent phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group VI
NCBI Official Symbol	Pla2g6
NCBI Official Synonym Symbols	iPLA2; PNPLA9; BB112799; iPLA2beta; iPLA(2)beta
NCBI Protein Information	85/88 kDa calcium-independent phospholipase A2
UniProt Protein Name	85/88 kDa calcium-independent phospholipase A2
UniProt Gene Name	Pla2g6
UniProt Synonym Gene Names	Pnpla9; Cal-PLA2; GVI PLA2; iPLA2-beta; PNPLA9
UniProt Entry Name	PLPL9_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.

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Online datasheet: <https://www.aaabiotech.com/pla2g6-human-elisa-kits/85-kda-calcium-independent-phospholipase-a2/100471>