

Human Phospholipase A2, Group X (PLA2G10) ELISA Kit | PLA2G10 elisa kit

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CATALOG #
AAA64887

REACTIVITY
Human

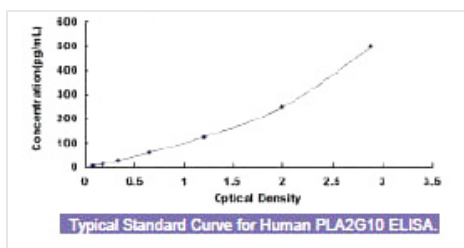
PRODUCT SYNONYMS

Phospholipase A2; Group X (PLA2G10); Human Phospholipase A2; Group X (PLA2G10) ELISA Kit; GXPLA2; GX sPLA2; sPLA2-X; Group 10 secretory phospholipase A2; Phosphatidylcholine 2-acylhydrolase 10; PLA2G10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PLA2G10. No significant cross-reactivity or interference between PLA2G10 and analogues was observed.
Sequence Length	165
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	37pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLA2G10 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 PLA2G10 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 PLA2G10 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PLA2G10 in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PLA2G10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PLA2G10. 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 PLA2G10, 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 PLA2G10 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 #	4505845
NCBI GeneID	8399
NCBI Accession #	NP_003552.1
NCBI GenBank Nucleotide #	NM_003561.2
UniProt Accession #	O15496; Q14DU3; Q6NT23
Molecular Weight	18,153 Da
NCBI Official Full Name	group 10 secretory phospholipase A2 preproprotein
NCBI Official Synonym Full Names	phospholipase A2 group X
NCBI Official Symbol	PLA2G10
NCBI Official Synonym Symbols	SPLA2; GXPLA2; GXSPLA2; sPLA2-X
NCBI Protein Information	group 10 secretory phospholipase A2
UniProt Protein Name	Group 10 secretory phospholipase A2
UniProt Gene Name	PLA2G10
UniProt Synonym Gene Names	GX sPLA2; sPLA2-X

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/human-elisa-kits/phospholipase-a2-group-x-pla2g10/64887>