

Human Phospholipase A2, Group III (PLA2G3) ELISA Kit | PLA2G3 elisa kit

Human Phospholipase A2, Group III (PLA2G3) ELISA Kit

CATALOG #
AAA14055

REACTIVITY
Human

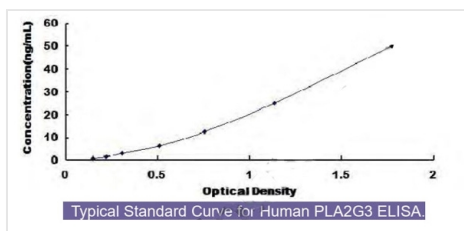
PRODUCT SYNONYMS

Phospholipase A2; Group III (PLA2G3); Human Phospholipase A2; Group III (PLA2G3) ELISA Kit; GIII-SPLA2; sPLA2-III; Group 3 secretory phospholipase A2; Group III secretory phospholipase A2; Phosphatidylcholine 2-acylhydrolase 3; PLA2G3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PLA2G3. No significant cross-reactivity or interference between PLA2G3 and analogues was observed.
Sequence Length	509
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma or other biological fluids
Detection Range	0.781-50ng/mL
Sensitivity	< 0.25ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLA2G3 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 PLA2G3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G3 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PLA2G3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PLA2G3. 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 PLA2G3, 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 PLA2G3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PLA2G3 in human serum, plasma or other biological fluids.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	142976884
NCBI GeneID	50487
NCBI Accession #	NP_056530.2
NCBI GenBank Nucleotide #	NM_015715.4
UniProt Accession #	Q9NZ20; O95768
Molecular Weight	57,167 Da
NCBI Official Full Name	group 3 secretory phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2 group III
NCBI Official Symbol	PLA2G3
NCBI Official Synonym Symbols	SPLA2III; sPLA2-III; GIII-SPLA2
NCBI Protein Information	group 3 secretory phospholipase A2
UniProt Protein Name	Group 3 secretory phospholipase A2
UniProt Gene Name	PLA2G3
UniProt Synonym Gene Names	GIII sPLA2; sPLA2-III

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/phospholipase-a2-group-iii-pla2g3/14055>