

Human Group IIE secretory phospholipase A2 (PLA2G2E) ELISA Kit | PLA2G2E elisa kit

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CATALOG #
AAA190409

REACTIVITY
Human

PRODUCT SYNONYMS

Group IIE secretory phospholipase A2 (PLA2G2E); Human Group IIE secretory phospholipase A2 (PLA2G2E) ELISA Kit; PLA2G2E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PLA2G2E. No significant cross-reactivity or interference between Human PLA2G2E and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, Plasma, Other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.078ng/mL
Detection Wavelength	450nm
Assay Duration	1-4.5h
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Sample Volume	1-200uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV
Test Principle	This assay employs a two-site sandwich ELISA to quantitate PLA2G2E in samples. An antibody specific for PLA2G2E has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PLA2G2E present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLA2G2E is added to the wells. After washing, Streptavidin 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 PLA2G2E bound in the initial step. The color development is stopped and the intensity of the color is measured.
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657461
NCBI GeneID	30814
NCBI Accession #	NP_055404.1
NCBI GenBank Nucleotide #	NM_014589.2
UniProt Accession #	Q9NZK7; Q5VXJ8

Molecular Weight	15,989 Da
NCBI Official Full Name	group IIE secretory phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group IIE
NCBI Official Symbol	PLA2G2E
NCBI Official Synonym Symbols	sPLA2-IIE; GIIE sPLA2
NCBI Protein Information	group IIE secretory phospholipase A2; phosphatidylcholine 2-acylhydrolase 2E
UniProt Protein Name	Group IIE secretory phospholipase A2
UniProt Gene Name	PLA2G2E
UniProt Synonym Gene Names	GIIE sPLA2; sPLA2-IIE
UniProt Entry Name	PA2GE_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://www.aaabiotech.com/human-elisa-kits/group-iie-secretory-phospholipase-a2-pla2g2e/190409>