

Human Cytosolic phospholipase A2 beta (PLA2G4B) ELISA Kit | PLA2G4B elisa kit

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CATALOG #
AAA246330

REACTIVITY
Human

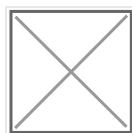
PRODUCT SYNONYMS

Cytosolic phospholipase A2 beta (PLA2G4B); Human Cytosolic phospholipase A2 beta (PLA2G4B) ELISA Kit; Human Cytosolic phospholipase A2 b (PLA2G4B) ELISA Kit; PLA2G4B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G4B elisa kit	Intended Uses: This PLA2G4B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PLA2G4B. This ELISA kit for research use only! Principle of the Assay PLA2G4B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PLA2G4B antibody and an PLA2G4B-HRP conjugate. The assay sample and buffer are incubated together with PLA2G4B-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PLA2G4B concentration since PLA2G4B from samples and PLA2G4B-HRP conjugate compete for the anti-PLA2G4B antibody binding site. Since the number of sites is limited, as more sites are occupied by PLA2G4B from the sample, fewer sites are left to bind PLA2G4B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLA2G4B concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PLA2G4B elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	167860120
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NCBI GeneID	100137049
NCBI Accession #	NP_001108105.1
NCBI GenBank Nucleotide #	NM_001114633.1
Molecular Weight	114,121 Da
NCBI Official Full Name	cytosolic phospholipase A2 beta
NCBI Official Synonym Full Names	phospholipase A2, group IVB (cytosolic)
NCBI Official Symbol	PLA2G4B
NCBI Official Synonym Symbols	HsT16992; cPLA2-beta
NCBI Protein Information	cytosolic phospholipase A2 beta
UniProt Protein Name	Cytosolic phospholipase A2 beta
UniProt Gene Name	PLA2G4B
UniProt Synonym Gene Names	cPLA2-beta
UniProt Entry Name	PA24B_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/human-elisa-kits/cytosolic-phospholipase-a2-beta-pla2g4b/246330>