

Mouse cytosolic phospholipase A2-alpha (cPLA2-alpha) ELISA Kit | PLA2G4A elisa kit

Mouse cytosolic phospholipase A2-alpha (cPLA2-alpha) ELISA Kit

CATALOG #
AAA246055

REACTIVITY
Mouse

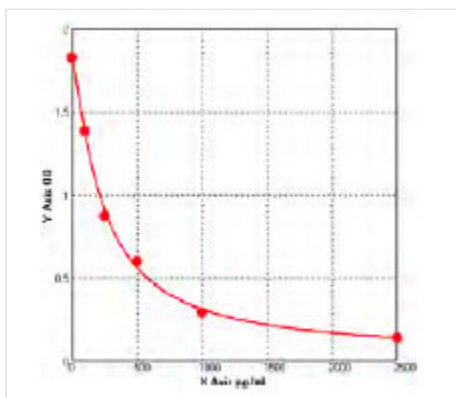
PRODUCT SYNONYMS

cytosolic phospholipase A2-alpha (cPLA2-alpha); Mouse cytosolic phospholipase A2-alpha (cPLA2-alpha) ELISA Kit; Mouse cytosolic phospholipase A2-a (cPLA2-a) ELISA Kit; PLA2G4A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G4A elisa kit	Intended Uses: This cPLA2-alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse cPLA2-alpha. This ELISA kit for research use only! Principle of the Assay: cPLA2-alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-cPLA2-alpha antibody and an cPLA2-alpha-HRP conjugate. The assay sample and buffer are incubated together with cPLA2-alpha-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 cPLA2-alpha concentration since cPLA2-alpha from samples and cPLA2-alpha-HRP conjugate compete for the anti-cPLA2-alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by cPLA2-alpha from the sample, fewer sites are left to bind cPLA2-alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The cPLA2-alpha concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PLA2G4A elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	23943920
NCBI GeneID	5321
NCBI Accession #	NP_077734.1
NCBI GenBank Nucleotide #	NM_024420.2
Molecular Weight	85,239 Da
NCBI Official Full Name	cytosolic phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group IVA (cytosolic, calcium-dependent)
NCBI Official Symbol	PLA2G4A
NCBI Official Synonym Symbols	PLA2G4; cPLA2-alpha
NCBI Protein Information	cytosolic phospholipase A2; cPLA2; lysophospholipase; phospholipase A2 group IVA; phosphatidylcholine 2-acylhydrolase; calcium-dependent phospholipid-binding protein
UniProt Protein Name	Cytosolic phospholipase A2
UniProt Gene Name	PLA2G4A
UniProt Synonym Gene Names	CPLA2; PLA2G4; cPLA2
UniProt Entry Name	PA24A_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.