

Mouse Cytosolic Phospholipase A2 (PLA2G4) ELISA Kit | PLA2G4 elisa kit

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CATALOG #
AAA188165

REACTIVITY
Mouse

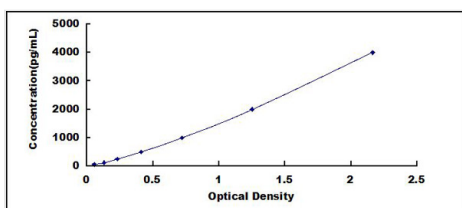
PRODUCT SYNONYMS

Cytosolic Phospholipase A2 (PLA2G4); Mouse Cytosolic Phospholipase A2 (PLA2G4) ELISA Kit; c-PLA2; cPLA2; PLA2G4A; Phospholipase A2; Cytosolic; Phospholipase A2; Group IV(Cytosolic;Calcium-Dependent); Phosphatidylcholine 2-acylhydrolase; Lysophospholipase; PLA2G4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Cytosolic Phospholipase A2 (PLA2G4). No significant cross-reactivity or interference between Cytosolic Phospholipase A2 (PLA2G4) and analogues was observed.
Sequence Length	749
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 24.9pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Cytosolic Phospholipase A2 (PLA2G4) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Cytosolic Phospholipase A2 (PLA2G4) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytosolic Phospholipase A2 (PLA2G4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cytosolic Phospholipase A2 (PLA2G4). 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 Cytosolic Phospholipase A2 (PLA2G4), 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 Cytosolic Phospholipase A2 (PLA2G4) 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 #	1812589260
NCBI GenBank Nucleotide #	NP_077734.2
NCBI Official Full Name	cytosolic phospholipase A2 isoform 1

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/mouse-elisa-kits/cytosolic-phospholipase-a2-pla2g4/188165>