

Chicken Calcium-dependent phospholipase A2 (PLA2G5) ELISA Kit | PLA2G5 elisa kit

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CATALOG #
AAA244679

REACTIVITY
Chicken

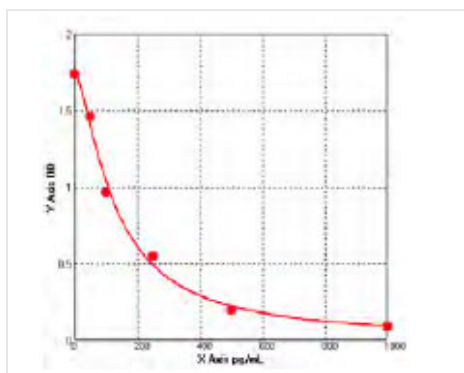
PRODUCT SYNONYMS

Calcium-dependent phospholipase A2 (PLA2G5); Chicken Calcium-dependent phospholipase A2 (PLA2G5) ELISA Kit; PLA2G5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G5 elisa kit

Intended Uses: This PLA2Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PLA2Ab. This ELISA kit for research use only!

Principle of the Assay: PLA2Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing Anti Phospholipase A2 antigen and an PLA2Ab-HRP conjugate. The assay sample and buffer are incubated together with PLA2Ab-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 PLA2Ab concentration since PLA2Ab from samples and PLA2Ab-HRP conjugate compete for the Anti Phospholipase A2 antigen binding site. Since the number of sites is limited, as more sites are occupied by PLA2Ab from the sample, fewer sites are left to bind PLA2Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLA2Ab concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505853
NCBI GeneID	5322
NCBI Accession #	NP_000920.1
NCBI GenBank Nucleotide #	NM_000929.2
Molecular Weight	15,674 Da
NCBI Official Full Name	calcium-dependent phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group V
NCBI Official Symbol	PLA2G5
NCBI Official Synonym Symbols	FRFB; GV-PLA2; PLA2-10; hVPLA(2)
NCBI Protein Information	calcium-dependent phospholipase A2; Ca2+-dependent phospholipase A2; phosphatidylcholine 2-acylhydrolase 5
UniProt Protein Name	Calcium-dependent phospholipase A2
UniProt Gene Name	PLA2G5
UniProt Entry Name	PA2G5_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/chicken-elisa-kits/calcium-dependent-phospholipase-a2-pla2g5/244679>