

Rat Cytosolic Phospholipase A2 ELISA Kit | Cpla2 elisa kit

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CATALOG #
AAA99588

REACTIVITY
Rat

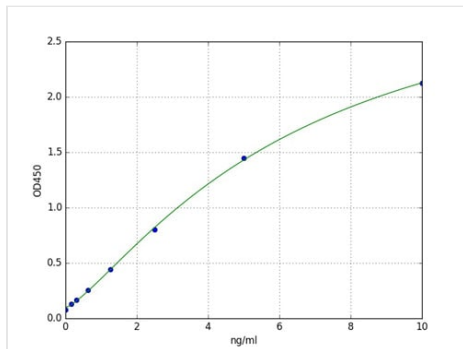
PRODUCT SYNONYMS

Cytosolic Phospholipase A2; Rat Cytosolic Phospholipase A2 ELISA Kit; Cpla2/PLA2G4A/cPLA2/Cytosolic phospholipase A2/cPLA2-alpha/calcium-dependent phospholipid-binding protein/lysophospholipase/phosphatidylcholine 2-acylhydrolase/Phospholipase A2 group IVA/phospholipase A2; group IVA (cytosolic; calcium-dependent); Cpla2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	689
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Cpla2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.106	0.143	0.238	0.277	0.507	0.888	1.497	1.798

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cpla2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Cpla2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Cpla2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Cpla2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Cpla2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	909618051
NCBI GeneID	5321
NCBI Accession #	NP_001298122.1
NCBI GenBank Nucleotide #	NM_001311193.1
Molecular Weight	85,239 Da
NCBI Official Full Name	cytosolic phospholipase A2 isoform 2
NCBI Official Synonym Full Names	phospholipase A2 group IVA
NCBI Official Symbol	PLA2G4A
NCBI Official Synonym Symbols	cPLA2; PLA2G4; cPLA2-alpha
NCBI Protein Information	cytosolic phospholipase A2
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.

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Online datasheet: <https://stage.aaabiotech.com/cpla2-rat-elisa-kits/cytosolic-phospholipase-a2/99588>