

Bovine Cytosolic Phospholipase A2 ELISA Kit | Cpla2 elisa kit

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CATALOG #
AAA97029

REACTIVITY
Bovine

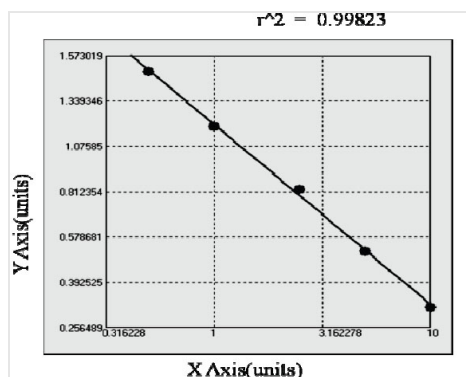
PRODUCT SYNONYMS

Cytosolic Phospholipase A2; Bovine Cytosolic Phospholipase A2 ELISA Kit; Cpla2 elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cpla2 elisa kit

Intended Uses: This CPLA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CPLA2. This ELISA kit for research use only!

Principle of the Assay: CPLA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CPLA2 antibody and an CPLA2-HRP conjugate. The assay sample and buffer are incubated together with CPLA2-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 concentration since CPLA2 from samples and CPLA2-HRP conjugate compete for the anti-CPLA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CPLA2 from the sample, fewer sites are left to bind CPLA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CPLA2 concentration in each sample is interpolated from this standard curve.

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.