

Monkey Phospholipase A2, Secreted ELISA Kit | sPLA2 elisa kit

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CATALOG #
AAA90603

REACTIVITY
Monkey

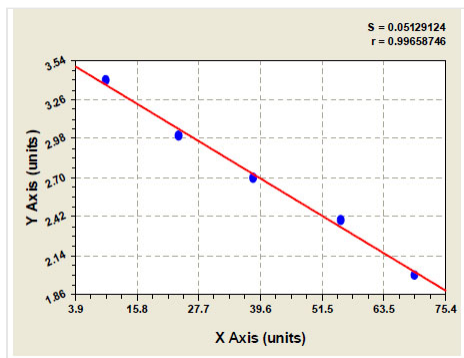
PRODUCT SYNONYMS

Phospholipase A2; Secreted; Monkey Phospholipase A2; Secreted ELISA Kit; sPLA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This sPLA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey sPLA2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for sPLA2 elisa kit

Principle of the Assay: sPLA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-sPLA2 antibody and an sPLA2-HRP conjugate. The assay sample and buffer are incubated together with sPLA2-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 sPLA2 concentration since sPLA2 from samples and sPLA2-HRP conjugate compete for the anti-sPLA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by sPLA2 from the sample, fewer sites are left to bind sPLA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The sPLA2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11467959
NCBI GeneID	282457
Molecular Weight	16,002 Da
NCBI Official Full Name	Phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group IB (pancreas)<
NCBI Official Symbol	PLA2G1B
NCBI Protein Information	phospholipase A2; group IB phospholipase A2; phosphatidylcholine 2-acylhydrolase 1B
UniProt Protein Name	Phospholipase A2
UniProt Gene Name	PLA2G1B
UniProt Entry Name	PA21B_BOVIN

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.