

Sheep Phospholipase A2, Secreted ELISA Kit | sPLA2 elisa kit

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CATALOG #
AAA92112

REACTIVITY
Sheep

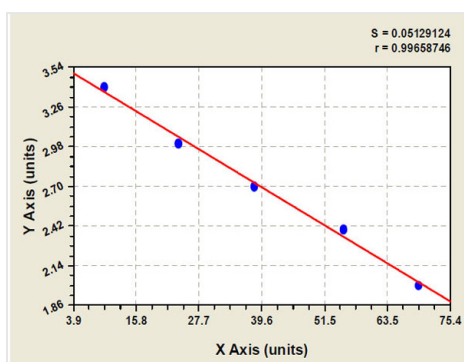
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This sPLA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep 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.

Product Categories/Family for sPLA2 elisa kit

Immunology

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.

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Online datasheet: <https://stage.aaabiotech.com/spla2-sheep-elisa-kits/phospholipase-a2-secreted/92112>