

Sheep Lipoprotein-associated Phospholipase A2 ELISA Kit | Lp-PL-A2 elisa kit

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CATALOG #
AAA92947

REACTIVITY
Sheep

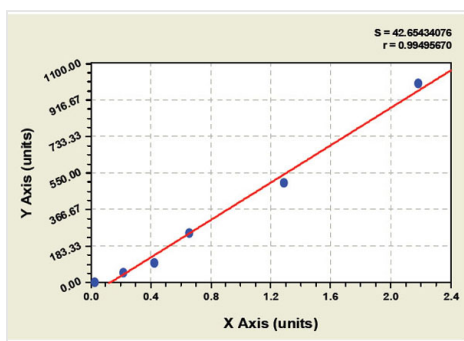
PRODUCT SYNONYMS

Lipoprotein-associated Phospholipase A2; Sheep Lipoprotein-associated Phospholipase A2 ELISA Kit; Lp-PL-A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	1.0 ng/mL.
Intended Uses	This Lp-PL-A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep Lp-PL-A2. 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 Lp-PL-A2 elisa kit

Principle of the Assay: Lp-PL-A2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Lp-PL-A2. Standards or samples are then added to the microtiter plate wells and Lp-PL-A2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Lp-PL-A2 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for Lp-PL-A2 are added to each well to "sandwich" the Lp-PL-A2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain Lp-PL-A2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Lp-PL-A2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Lp-PL-A2 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	1314246
NCBI GeneID	7941
Molecular Weight	50,077 Da
NCBI Official Full Name	LDL-phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
NCBI Official Symbol	PLA2G7
NCBI Official Synonym Symbols	PAFAD; PAFAH; LP-PLA2; LDL-PLA2
NCBI Protein Information	platelet-activating factor acetylhydrolase; LDL-PLA(2); gVIIA-PLA2; PAF 2-acylhydrolase; PAF acetylhydrolase; group-VIIA phospholipase A2; LDL-associated phospholipase A2; lipoprotein-associated phospholipase A2; 1-alkyl-2-acetylglycerophosphocholine esterase; 2-acetyl-1-alkylglycerophosphocholine esterase
UniProt Protein Name	Platelet-activating factor acetylhydrolase
UniProt Gene Name	PLA2G7
UniProt Synonym Gene Names	PAFAH; PAF acetylhydrolase; gVIIA-PLA2; LDL-PLA(2)
UniProt Entry Name	PAFA_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/lp-pl-a2-sheep-elisa-kits/lipoprotein-associated-phospholipase-a2/92947>