

Sheep Lysophosphatidylcholine Acyltransferase 1 ELISA Kit | LPCAT1 elisa kit

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CATALOG #
AAA17163

REACTIVITY
Sheep

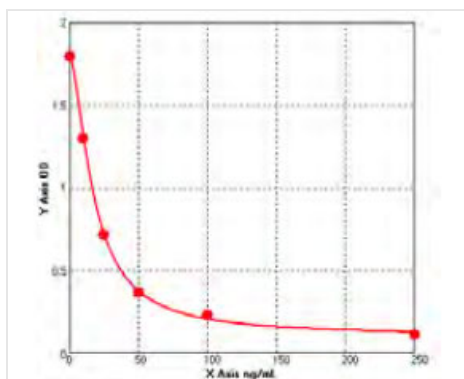
PRODUCT SYNONYMS

Lysophosphatidylcholine Acyltransferase 1; Sheep Lysophosphatidylcholine Acyltransferase 1 ELISA Kit; LPCAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of LPCAT1. No significant cross-reactivity or interference between LPCAT1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LPCAT1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPCAT1 elisa kit	Principle of the Assay: LPCAT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LPCAT1 antibody and an LPCAT1-HRP conjugate. The assay sample and buffer are incubated together with LPCAT1-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 LPCAT1 concentration since LPCAT1 from samples and LPCAT1-HRP conjugate compete for the anti-LPCAT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by LPCAT1 from the sample, fewer sites are left to bind LPCAT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LPCAT1 concentration in each sample is interpolated from this standard curve. Intended Uses: This LPCAT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep LPCAT1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33946291
NCBI GeneID	79888
NCBI Accession #	NP_079106.3
NCBI GenBank Nucleotide #	NM_024830.3
Molecular Weight	59,151 Da
NCBI Official Full Name	lysophosphatidylcholine acyltransferase 1
NCBI Official Synonym Full Names	lysophosphatidylcholine acyltransferase 1
NCBI Official Symbol	LPCAT1
NCBI Official Synonym Symbols	AYTL2; lpcat; PFAAP3
NCBI Protein Information	lysophosphatidylcholine acyltransferase 1; LPCAT-1; lysoPAFAT; LPC acyltransferase 1; acyltransferase like 2; acyltransferase-like 2; lysoPC acyltransferase 1; lyso-PAF acetyltransferase; regulated by phosphonoformate; acetyl-CoA:lyso-PAF acetyltransferase; phosphonoformate immuno-associated protein 3; 1-acylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; acyl-CoA:lysophosphatidylcholine acyltransferase 1; acetyl-CoA:lyso-platelet-activating factor acetyltransferase
UniProt Protein Name	Lysophosphatidylcholine acyltransferase 1
UniProt Gene Name	LPCAT1
UniProt Synonym Gene Names	AYTL2; PFAAP3; LPC acyltransferase 1; LPCAT-1; LysoPC acyltransferase 1; Acetyl-CoA:lyso-PAF acetyltransferase; Lyso-PAF acetyltransferase; LysoPAFAT
UniProt Entry Name	PCAT1_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/lpcat1-sheep-elisa-kits/lysophosphatidylcholine-acyltransferase-1/17163>