

Canine Lysophosphatidylcholine Acyltransferase 1 ELISA Kit | LPCAT1 elisa kit

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CATALOG #
AAA97337

REACTIVITY
Canine

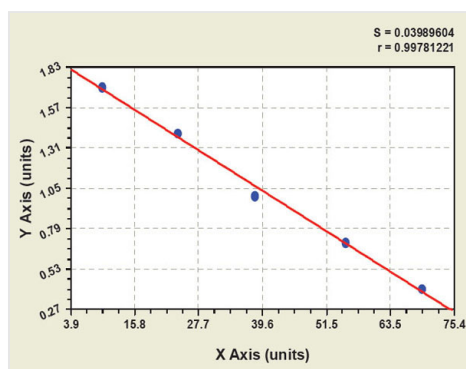
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 LPCAT1 elisa kit

Principle of the assay: LPCAT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lpcat1-canine-elisa-kits/lysophosphatidylcholine-acyltransferase-1/97337>