

Human Lysophosphatidylcholine Acyltransferase 1 (LPCAT1) ELISA Kit | LPCAT1 elisa kit

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CATALOG #
AAA66068

REACTIVITY
Human

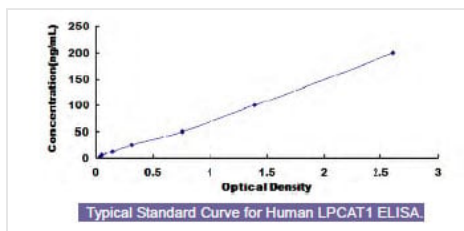
PRODUCT SYNONYMS

Lysophosphatidylcholine Acyltransferase 1 (LPCAT1); Human Lysophosphatidylcholine Acyltransferase 1 (LPCAT1) ELISA Kit; AYTL2; PFAAP3; Acyltransferase Like 2; 1-alkylglycerophosphocholine O-acetyltransferase; Phosphonoformate immuno-associated protein 3; Acetyl-CoA:lyso-PAF acetyltransferase; LPCAT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	534
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.15ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LPCAT1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LPCAT1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPCAT1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LPCAT1 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LPCAT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LPCAT1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain LPCAT1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of LPCAT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33946291
NCBI GeneID	79888
NCBI Accession #	NP_079106.3
NCBI GenBank Nucleotide #	NM_024830.4
UniProt Accession #	Q8NFB37; Q1HAQ1; Q7Z4G6; Q8N3U7; Q8WUL8; Q9GZW6
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; AGPAT9; PFAAP3; AGPAT10; LPCAT-1; lysoPAFAT
NCBI Protein Information	lysophosphatidylcholine acyltransferase 1
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

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/human-elisa-kits/lysophosphatidylcholine-acyltransferase-1-lpcat1/66068>