

Human Lysophosphatidylcholine acyltransferase 2 ELISA Kit | LPCAT2 elisa kit

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CATALOG #
AAA99174

REACTIVITY
Human

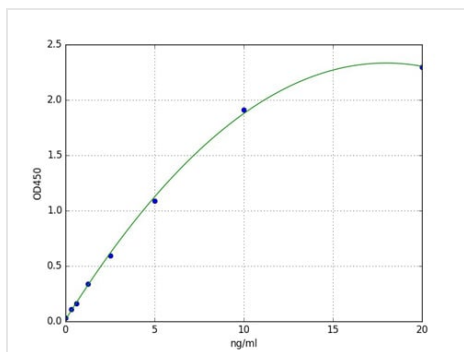
PRODUCT SYNONYMS

Lysophosphatidylcholine acyltransferase 2; Human Lysophosphatidylcholine acyltransferase 2 ELISA Kit; LPCAT2/LPC acyltransferase 2/LPCAT-2/LysoPC acyltransferase 2/Lysophosphatidic acid acyltransferase alpha/LPAAT-alpha/Acetyl-CoA; lyso-PAF acetyltransferase; LPCAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	544
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human LPCAT2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.024	0.100	0.173	0.279	0.503	0.913	1.316	1.919

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPCAT2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human LPCAT2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human LPCAT2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human LPCAT2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human LPCAT2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47086907
NCBI GeneID	54947
NCBI Accession #	NP_060309.2
NCBI GenBank Nucleotide #	NM_017839.4
Molecular Weight	30,895 Da
NCBI Official Full Name	lysophosphatidylcholine acyltransferase 2
NCBI Official Synonym Full Names	lysophosphatidylcholine acyltransferase 2
NCBI Official Symbol	LPCAT2
NCBI Official Synonym Symbols	AYTL1; AGPAT11; LysoPAFAT
NCBI Protein Information	lysophosphatidylcholine acyltransferase 2
UniProt Protein Name	Lysophosphatidylcholine acyltransferase 2
UniProt Gene Name	LPCAT2
UniProt Synonym Gene Names	AGPAT11; AYTL1; LPC acyltransferase 2; LPCAT-2; LysoPC acyltransferase 2; 1-AGP acyltransferase 11; 1-AGPAT 11; Acetyl-CoA:lyso-PAF acetyltransferase; Lyso-PAF acetyltransferase; LysoPAFAT; LPAAT-alpha
UniProt Entry Name	PCAT2_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/lpcat2-human-elisa-kits/lysophosphatidylcholine-acyltransferase-2/99174>