

Mouse Lysophosphatidylcholine Acyltransferase 3 (LPCAT3) ELISA Kit | LPCAT3 elisa kit

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CATALOG #
AAA136922

REACTIVITY
Mouse

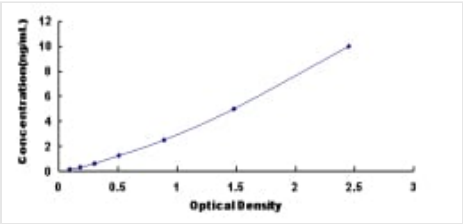
PRODUCT SYNONYMS

Lysophosphatidylcholine Acyltransferase 3 (LPCAT3); Mouse Lysophosphatidylcholine Acyltransferase 3 (LPCAT3) ELISA Kit; MBOAT5; C3F; OACT5; Nussy; LPSAT; Membrane Bound O-AcylTransferase Domain Containing 5; Lysophospholipid Acyltransferase 5; Lysophosphatidylserine acyltransferase; LPCAT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Lysophosphatidylcholine Acyltransferase 3 (LPCAT3). No significant cross-reactivity or interference between Lysophosphatidylcholine Acyltransferase 3 (LPCAT3) and analogues was observed.
Sequence Length	487
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lysophosphatidylcholine Acyltransferase 3 (LPCAT3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lysophosphatidylcholine Acyltransferase 3 (LPCAT3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPCAT3 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Lysophosphatidylcholine Acyltransferase 3 (LPCAT3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Lysophosphatidylcholine Acyltransferase 3 (LPCAT3). 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 Lysophosphatidylcholine Acyltransferase 3 (LPCAT3), 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 Lysophosphatidylcholine Acyltransferase 3 (LPCAT3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LPCAT3 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	40850972
NCBI GeneID	10162
UniProt Accession #	Q6P1A2; Q7KZS1; Q92980; Q9BW40; B2RDH0; B7Z3N3
Molecular Weight	46,765 Da
NCBI Official Full Name	Lysophosphatidylcholine acyltransferase 3
NCBI Official Synonym Full Names	lysophosphatidylcholine acyltransferase 3
NCBI Official Symbol	LPCAT3
NCBI Official Synonym Symbols	C3F; LPCAT; LPSAT; OACT5; nussy; MBOAT5; LPLAT 5
NCBI Protein Information	lysophospholipid acyltransferase 5
UniProt Protein Name	Lysophospholipid acyltransferase 5
UniProt Gene Name	LPCAT3
UniProt Synonym Gene Names	MBOAT5; OACT5; LPLAT 5; LPCAT; Lyso-PC acyltransferase; Lyso-PC acyltransferase 3; LPSAT; Lyso-PS acyltransferase; O-acyltransferase domain-containing protein 5
UniProt Entry Name	MBOA5_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.