

# Mouse Lysophosphatidylcholine Acyltransferase 1 (LPCAT1) RTU ELISA Kit | LPCAT1 rtu elisa kit

Mouse Lysophosphatidylcholine Acyltransferase 1 (LPCAT1) ELISA Kit

CATALOG #  
**AAA216847**

REACTIVITY  
**Mouse**

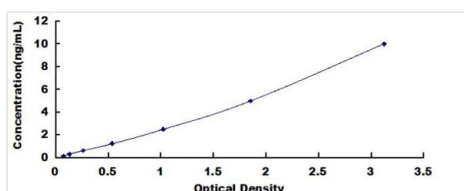
## PRODUCT SYNONYMS

Lysophosphatidylcholine Acyltransferase 1 (LPCAT1); Mouse 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 rtu elisa kit

## PRODUCT SPECIFICATIONS

|                           |                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                | Mouse                                                                                                                                                                                                                                                                                                                                               |
| Sequence Length           | 534                                                                                                                                                                                                                                                                                                                                                 |
| Assay Type                | Sandwich                                                                                                                                                                                                                                                                                                                                            |
| Samples                   | Tissue Homogenates or Other Biological Fluids.                                                                                                                                                                                                                                                                                                      |
| Detection Range           | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity               | 0.056ng/mL                                                                                                                                                                                                                                                                                                                                          |
| RTU ELISA Kit's Advantage | The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.                                                                                                                                                            |
| Preparation and Storage   | For unopened kits: All the reagents should be kept at 4 degree C upon receipt.<br>For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal. |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for LPCAT1 rtu elisa kit

**Test Principle:** 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  $\pm$  10nm. The concentration of LPCAT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 148747363                                                                                                                                              |
| NCBI GeneID                      | 210992                                                                                                                                                 |
| NCBI Accession #                 | NP_663351.3                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_145376.5                                                                                                                                            |
| UniProt Accession #              | Q3TFD2; Q3TAX4; Q6NXZ6; Q8BG23; Q8BUX7; Q99JU6                                                                                                         |
| Molecular Weight                 | 36,982 Da                                                                                                                                              |
| NCBI Official Full Name          | lysophosphatidylcholine acyltransferase 1                                                                                                              |
| NCBI Official Synonym Full Names | lysophosphatidylcholine acyltransferase 1                                                                                                              |
| NCBI Official Symbol             | Lpcat1                                                                                                                                                 |
| NCBI Official Synonym Symbols    | rd11; Ayt12; LPCAT; C87117; BB137372; BC005662; 2900035H07Rik                                                                                          |
| NCBI Protein Information         | lysophosphatidylcholine acyltransferase 1                                                                                                              |
| UniProt Protein Name             | Lysophosphatidylcholine acyltransferase 1                                                                                                              |
| UniProt Gene Name                | Lpcat1                                                                                                                                                 |
| UniProt Synonym Gene Names       | Ayt12; LPC acyltransferase 1; LPCAT-1; LysoPC acyltransferase 1; mLPCAT1; 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/mouse-rtu-elisa-kits/lysophosphatidylcholine-acyltransferase-1-lpcat1/216847>