

Porcine Lysophosphatidylcholine Acyltransferase 4 ELISA Kit | LPCAT4 elisa kit

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CATALOG #
AAA94074

REACTIVITY
Porcine

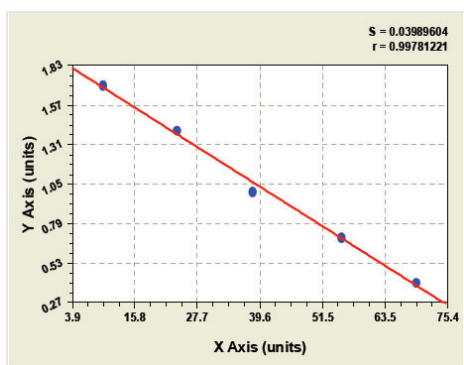
PRODUCT SYNONYMS

Lysophosphatidylcholine Acyltransferase 4; Porcine Lysophosphatidylcholine Acyltransferase 4 ELISA Kit; LPCAT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
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 LPCAT4 elisa kit

Intended Uses: This LPCAT4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine LPCAT4. This ELISA kit for research use only!

Principle of the Assay: LPCAT4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LPCAT4 antibody and an LPCAT4-HRP conjugate. The assay sample and buffer are incubated together with LPCAT4-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 LPCAT4 concentration since LPCAT4 from samples and LPCAT4-HRP conjugate compete for the anti-LPCAT4 antibody binding site. Since the number of sites is limited, as more sites are occupied by LPCAT4 from the sample, fewer sites are left to bind LPCAT4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LPCAT4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62203469
NCBI GeneID	254531
Molecular Weight	57,219 Da
NCBI Official Full Name	Lysophosphatidylcholine acyltransferase 4
UniProt Protein Name	Lysophospholipid acyltransferase LPCAT4
UniProt Gene Name	LPCAT4
UniProt Synonym Gene Names	AGPAT7; AYTL3; LPEAT2; 1-AGP acyltransferase 7; 1-AGPAT 7
UniProt Entry Name	LPCT4_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/lpcat4-porcine-elisa-kits/lysophosphatidylcholine-acyltransferase-4/94074>