

Goat Lysophosphatidylcholine Acyltransferase 3 ELISA Kit | LPCAT3 elisa kit

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CATALOG #
AAA94075

REACTIVITY
Goat

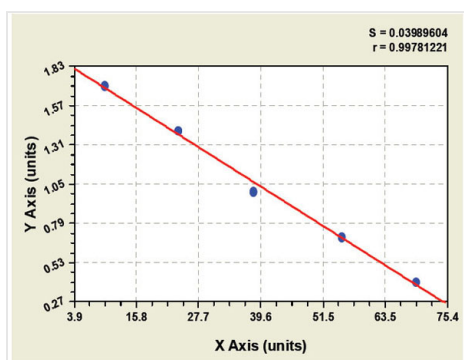
PRODUCT SYNONYMS

Lysophosphatidylcholine Acyltransferase 3; Goat Lysophosphatidylcholine Acyltransferase 3 ELISA Kit; LPCAT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
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 LPCAT3 elisa kit

Intended Uses: This LPCAT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat LPCAT3. This ELISA kit for research use only!

Principle of the Assay: LPCAT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LPCAT3 antibody and an LPCAT3-HRP conjugate. The assay sample and buffer are incubated together with LPCAT3-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 LPCAT3 concentration since LPCAT3 from samples and LPCAT3-HRP conjugate compete for the anti-LPCAT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by LPCAT3 from the sample, fewer sites are left to bind LPCAT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LPCAT3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for LPCAT3 elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	40850972
NCBI GeneID	10162
UniProt Accession #	Q6P1A2; Q7KZS1; Q92980; Q9BW40; B2RDH0
Molecular Weight	56,035 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; lyso-PS acyltransferase; lyso-PC acyltransferase 3; putative protein similar to nussy; lysophosphatidylserine acyltransferase; 1-acylglycerophosphoserine O-acyltransferase; 1-acylglycerophosphocholine O-acyltransferase; O-acyltransferase domain-containing protein 5; membrane bound O-acyltransferase domain containing 5; O-acyltransferase (membrane bound) domain containing 5; membrane-bound O-acyltransferase domain-containing protein 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.

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Online datasheet: <https://stage.aaabiotech.com/lpcat3-goat-elisa-kits/lysophosphatidylcholine-acyltransferase-3/94075>