

Canine Lysophosphatidylcholine Acyltransferase 3 ELISA Kit | LPCAT3 elisa kit

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CATALOG #
AAA96389

REACTIVITY
Canine

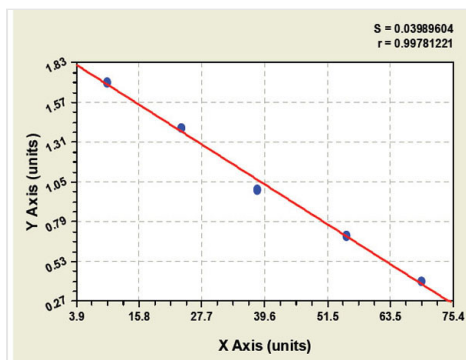
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This LPCAT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine LPCAT3 This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPCAT3 elisa kit

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40850972
NCBI GeneID	10162
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; nesy; MBOAT5; LPLAT 5
NCBI Protein Information	lysophospholipid acyltransferase 5; lyso-PS acyltransferase; lyso-PC acyltransferase 3; putative protein similar to nesy; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lpcat3-canine-elisa-kits/lysophosphatidylcholine-acyltransferase-3/96389>