

Human Lecithin Cholesterol Acyltransferase (LCAT) ELISA Kit | LCAT elisa kit

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CATALOG # AAA63685	REACTIVITY Human
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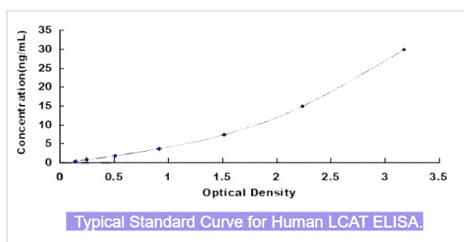
PRODUCT SYNONYMS

Lecithin Cholesterol Acyltransferase (LCAT); Human Lecithin Cholesterol Acyltransferase (LCAT) ELISA Kit; phosphatidylcholine-sterol O-acyltransferase; Phospholipid-cholesterol acyltransferase; LCAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LCAT. No significant cross-reactivity or interference between LCAT and analogues was observed.
Sequence Length	440
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma or other biological fluids
Detection Range	0.468-30ng/mL
Sensitivity	< 0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LCAT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LCAT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCAT elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LCAT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LCAT. 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 LCAT, 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 LCAT in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of LCAT in human serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557892
NCBI GeneID	3931
NCBI Accession #	NP_000220.1
NCBI GenBank Nucleotide #	NM_000229.1
UniProt Accession #	P04180; Q53XQ3
Molecular Weight	49,578 Da
NCBI Official Full Name	phosphatidylcholine-sterol acyltransferase
NCBI Official Synonym Full Names	lecithin-cholesterol acyltransferase
NCBI Official Symbol	LCAT
NCBI Protein Information	phosphatidylcholine-sterol acyltransferase
UniProt Protein Name	Phosphatidylcholine-sterol acyltransferase
UniProt Gene Name	LCAT

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.