

Human Lecithin Cholesterol Acyltransferase (LCAT) CLIA Kit | LCAT clia kit

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CATALOG #
AAA130458

REACTIVITY
Human

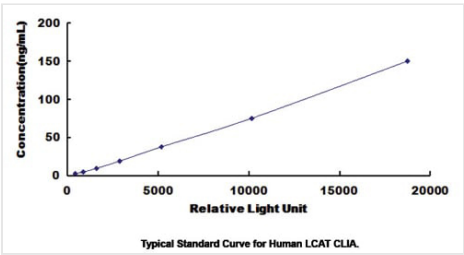
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Lecithin Cholesterol Acyltransferase (LCAT). No significant cross-reactivity or interference between Lecithin Cholesterol Acyltransferase (LCAT) and analogues was observed.
Sequence Length	444
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.21-150ng/mL
Sensitivity	0.08ng/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lecithin Cholesterol Acyltransferase (LCAT) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lecithin Cholesterol Acyltransferase (LCAT) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCAT clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Lecithin Cholesterol Acyltransferase (LCAT). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Lecithin Cholesterol Acyltransferase (LCAT). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Lecithin Cholesterol Acyltransferase (LCAT) level in the sample or standard.;
Product Categories/Family for LCAT clia kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	459996769
Molecular Weight	50,330 Da
NCBI Official Full Name	lecithin cholesterol acyltransferase
UniProt Protein Name	Lecithin cholesterol acyltransferase
UniProt Gene Name	lcat
UniProt Entry Name	M4PUX1_MERUN

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://www.aaabiotech.com/human-clia-kits/lecithin-cholesterol-acyltransferase-lcat/130458>