

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

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CATALOG #
AAA331945

REACTIVITY
Human

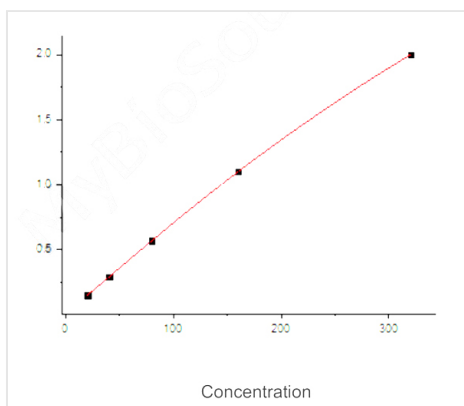
PRODUCT SYNONYMS

Lecithin Cholesterol Acyltransferase (LCAT); Human Lecithin Cholesterol Acyltransferase (LCAT) ELISA Kit; LCAT; Phosphatidylcholine-sterol acyltransferase; LCAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lecithin Cholesterol Acyltransferase (LCAT) ELISA Kit has high sensitivity and excellent specificity for detection of Human LCAT. No significant cross-reactivity or interference between Human LCAT and analogues was observed.
Sequence Length	16
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	20 ng/L - 320 ng/L
Sensitivity	< 1ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCAT elisa kit	Background: Lecithin:cholesterol acyltransferase (LCAT) (EC2.3.1.43), first described in 1962 by Glomset[1], is a key enzyme for the production of cholesteryl esters in plasma and promotes the formation of high density lipoprotien (HDL). Principle of the Assay: Human Lecithin Cholesterol Acyltransferase (LCAT) ELISA Kit employs a two-site sandwich ELISA to quantitate LCAT in samples. An antibody specific for LCAT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LCAT present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human LCAT detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of LCAT bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	241429
NCBI GeneID	3931
UniProt Accession #	P04180
NCBI Official Full Name	lecithin:cholesterol acyltransferase, partial
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
UniProt Entry Name	LCAT_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://www.aaabiotech.com/human-elisa-kits/lecithin-cholesterol-acyltransferase-lcat/331945>