

Human lecithin-cholesterol acyltransferase ELISA Kit | LCAT elisa kit

Human Lecithin Cholesterol Acyltransferase, LCat ELISA Kit

CATALOG #
AAA15417

REACTIVITY
Human

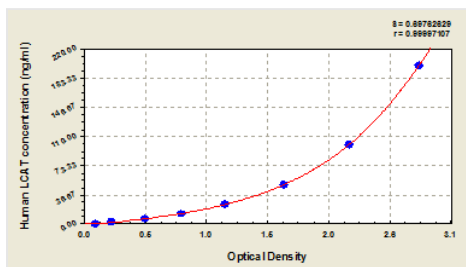
PRODUCT SYNONYMS

lecithin-cholesterol acyltransferase; Human Lecithin Cholesterol Acyltransferase; LCat ELISA Kit; Human Lecithin Cholesterol Acyltransferase (LCAT) ELISA Kit; LCAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay 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	440
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	3.12 ng/ml-200 ng/ml
Sensitivity	< 0.78 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCAT elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. 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, a biotin-conjugated antibody specific for LCAT is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate 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 #	4557892
NCBI GeneID	3931
NCBI Accession #	NP_000220.1
NCBI GenBank Nucleotide #	NM_000229.1
UniProt Accession #	P04180
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; phospholipid-cholesterol 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.