

Rat Lecithin Cholesterol Acyltransferase ELISA Kit | LCAT elisa kit

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CATALOG #
AAA90174

REACTIVITY
Rat

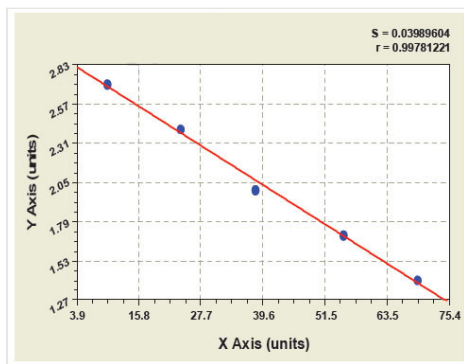
PRODUCT SYNONYMS

Lecithin Cholesterol Acyltransferase; Rat Lecithin Cholesterol Acyltransferase ELISA Kit; LCAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This LCAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat LCAT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LCAT elisa kit

Principle of the Assay: LCAT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LCAT antibody and an LCAT-HRP conjugate. The assay sample and buffer are incubated together with LCAT-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 LCAT concentration since LCAT from samples and LCAT-HRP conjugate compete for the anti-LCAT antibody binding site. Since the number of sites is limited, as more sites are occupied by LCAT from the sample, fewer sites are left to bind LCAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LCAT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	350605698
Molecular Weight	9,888 Da
NCBI Official Full Name	lecithin cholesterol acyltransferase, partial
UniProt Protein Name	Lecithin cholesterol acyltransferase
UniProt Gene Name	LCAT
UniProt Entry Name	A4ZR30_PERMA

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/lcat-rat-elisa-kits/lecithin-cholesterol-acyltransferase/90174>