

Rat lecithin-cholesterol acyltransferase ELISA Kit | LCAT elisa kit

Rat Lecithin Cholesterol Acyltransferase, LCat ELISA Kit

CATALOG #
AAA80733

REACTIVITY
Rat

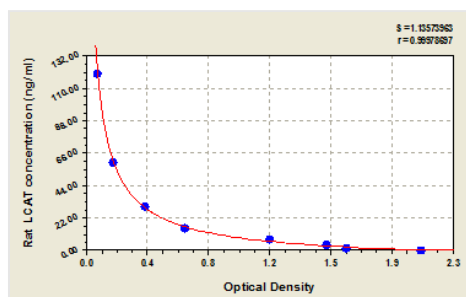
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat LCAT. No significant cross-reactivity or interference between Rat LCAT and analogues was observed.
Sequence Length	440
Samples	Milk, Milk Powder, Tissue (Chicken, Pork)
Assay Type	Competitive
Detection Range	0.5 ppb~40.5 ppb
Sensitivity	0.5 ppb
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<10%. 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 competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Kanamycin antigen. Standards or samples are added to the appropriate microtiter plate wells with Kanamycin specific antibody and Horseradish Peroxidase (HRP) conjugated anti-antibody. The competitive inhibition reaction is launched between pre-coated Kanamycin and Kanamycin in standards or samples with the Kanamycin special antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of Kanamycin in the standards or samples. The color development is stopped and the intensity of the color is measured!!Background/Introduction: Kanamycin is an aminoglycoside antibiotic and is widely used in treating animal diseases. It harms the 8th cranial nerves, causing damages to the vestibular and cochlear. The main manifestations of renal toxicity are the damages of the proximal convoluted tubule, causing protein urine, hematuries, renal hypofunction, etc. The residues of Kanamycin in animal derived food affect human health, in China and Occident, Kanamycin has been limited to use for its neurotoxicity and nephrotoxicity. This kit is a detection product developed based on ELISA technology, with operation time as short as 50 min and a sensitivity of 0.5 ppb, and linear range from 0.5 ppb?40.5 ppb.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126722618
NCBI GeneID	100008978
NCBI Accession #	NP_001075659.1
NCBI GenBank Nucleotide #	NM_001082190.1
UniProt Accession #	P53761
Molecular Weight	49,560 Da
NCBI Official Full Name	phosphatidylcholine-sterol acyltransferase
NCBI Official Symbol	LCAT
NCBI Protein Information	phosphatidylcholine-sterol acyltransferase; lecithin-cholesterol acyltransferase; phospholipid-cholesterol acyltransferase
UniProt Protein Name	Phosphatidylcholine-sterol acyltransferase
UniProt Gene Name	LCAT
UniProt Entry Name	LCAT_RABIT

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/lcat-rat-elisa-kits/lecithin-cholesterol-acyltransferase/80733>