

## Human Lecithin Cholesterol Acyltransferase ELISA Kit | LCAT elisa kit

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CATALOG #  
**AAA88446**

REACTIVITY  
**Human**

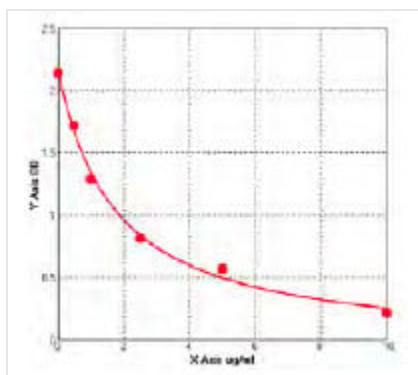
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of LCAT. No significant cross-reactivity or interference between LCAT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LCAT and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Sensitivity             | 0.1 ?g/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for LCAT elisa kit | <p>Intended Uses: This LCAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LCAT. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: LCAT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.</p> |
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NCBI AND UNIPROT INFORMATION

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|-------------------------|-----------------------------------------------|
| 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.

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Online datasheet: <https://stage.aaabiotech.com/lcat-human-elisa-kits/lecithin-cholesterol-acyltransferase/88446>