

Human Lipoprotein Lipase ELISA Kit | LPL elisa kit

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CATALOG #
AAA85647

REACTIVITY
Human

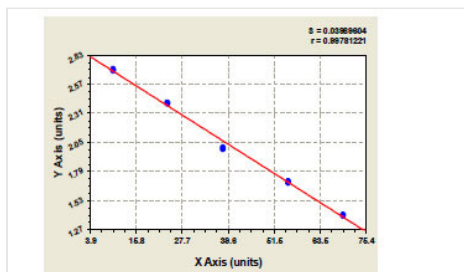
PRODUCT SYNONYMS

Lipoprotein Lipase; Human Lipoprotein Lipase ELISA Kit; LPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPL elisa kit

Intended Uses: This LPL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LPL. This ELISA kit for research use only!

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

Product Categories/Family for LPL elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4262831
NCBI Official Full Name	lipoprotein lipase, partial

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/lpl-human-elisa-kits/lipoprotein-lipase/85647>