

Human Lipoprotein Lipase (LPL) ELISA Kit | LPL elisa kit

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CATALOG #
AAA331933

REACTIVITY
Human

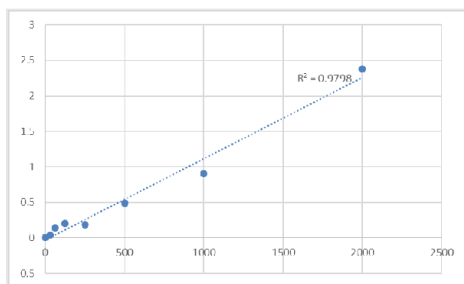
PRODUCT SYNONYMS

Lipoprotein Lipase (LPL); Human Lipoprotein Lipase (LPL) ELISA Kit; LPL; HDLCQ11; LIPD; LPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lipoprotein lipase (LPL) ELISA Kit has high sensitivity and excellent specificity for detection of Human LPL. No significant cross-reactivity or interference between Human LPL and analogues was observed.
Sequence Length	475
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Lipoprotein lipase (LPL) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LPL elisa kit	Description: This Human Lipoprotein lipase (LPL) ELISA Kit employs a two-site sandwich ELISA to quantitate LPL in samples. An antibody specific for LPL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LPL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LPL is added to the wells. After washing, Streptavidin 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 LPL bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LPL encodes lipoprotein lipase, which is expressed in heart, muscle, and adipose tissue. LPL functions as a homodimer, and has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake. Severe mutations that cause LPL deficiency result in type I hyperlipoproteinemia, while less extreme mutations in LPL are linked to many disorders of lipoprotein metabolism
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557727
NCBI GeneID	4023
NCBI Accession #	NP_000228.1
NCBI GenBank Nucleotide #	NP_000228.1
UniProt Accession #	P06858
NCBI Official Full Name	lipoprotein lipase
NCBI Official Synonym Full Names	lipoprotein lipase
NCBI Official Symbol	LPL
NCBI Official Synonym Symbols	LIPD; HDLCQ11
NCBI Protein Information	lipoprotein lipase
UniProt Protein Name	Lipoprotein lipase
UniProt Gene Name	LPL
UniProt Synonym Gene Names	LIPD; LPL
UniProt Entry Name	LIPL_HUMAN

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.