

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

Human Lipoprotein Lipase (LPL) ELISA Kit

CATALOG #  
**AAA331933**

REACTIVITY  
**Human**

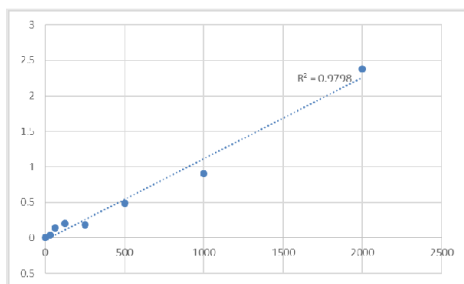
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 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             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| 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 | <p>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.</p> <p>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</p> |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/lipoprotein-lipase-lpl/331933>