



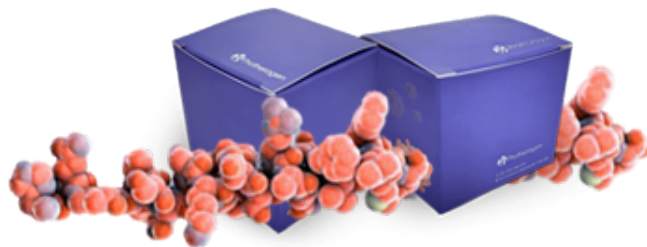
Rat lipoprotein lipase (LPL) ELISA kit-Quantitative competitive

Cat. No.:	0126WXX-967
Assay Type:	Quantitative competitive ELISA
Target Species:	Rat
Assay Target:	LPL
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Rat lipoprotein lipase (LPL) ELISA kit-Quantitative competitive is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of LPL in rat samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on LPL antibody-LPL antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect LPL antigen targets in samples.
Background	LPL is an enzyme belonging to the lipoprotein lipase family. Its primary function is to break down triglycerides (a type of fat) in the blood. Specifically, LPL hydrolyzes triglycerides present in circulating lipoproteins such as chylomicrons and very low-density lipoproteins (VLDL). The free fatty acids and monoglycerides released during this process can be utilized by cells to generate energy or stored for later use. LPL's direct relevance to obesity research lies in its pivotal role in fat storage and metabolism. Given its central function in lipid metabolism, LPL has emerged as a key biological factor in obesity studies.
Synonyms	Clearing factor; Clearing factor lipase; EC 3.1.1.34
EC NO.	3.1.1.34
Formula Weight	53,213 Da
Applications	Rat lipoprotein lipase (LPL) ELISA kit-Quantitative competitive is used to quantify LPL in rat samples, providing data to support research in a wide range of areas, including signal transduction, metabolism, obesity, etc.

**Research Area**

Signal Transduction; Metabolism; Obesity

Specification**Sample Type**

Rat samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.