

Canine Lipoproteinlipase ELISA Kit | LPL elisa kit

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CATALOG #
AAA91171

REACTIVITY
Canine

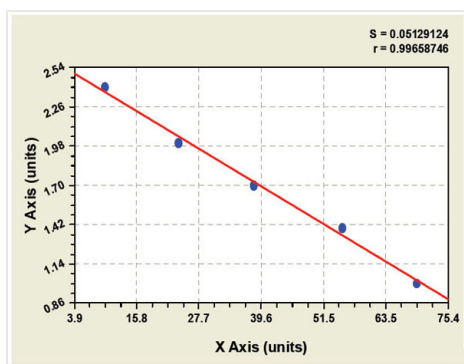
PRODUCT SYNONYMS

Lipoproteinlipase; Canine Lipoproteinlipase ELISA Kit; LPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This LPL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine LPL. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPL elisa kit

Principle of the Assay: LPL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	48146225
NCBI GeneID	4023
UniProt Accession #	Q6IAV0; P06858; Q4JIZ7; Q53HW6; Q71UV2; Q8NEW3
Molecular Weight	53,213 Da
NCBI Official Full Name	LPL
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	LPL protein
UniProt Gene Name	LPL
UniProt Entry Name	Q6IAV0_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://www.aaabiotech.com/lpl-canine-elisa-kits/lipoproteinlipase/91171>