

Canine Low Density Lipoprotein ELISA Kit | LDL elisa kit

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CATALOG #
AAA92374

REACTIVITY
Canine

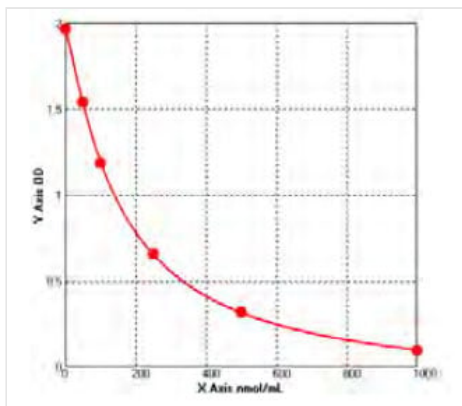
PRODUCT SYNONYMS

Low Density Lipoprotein; Canine Low Density Lipoprotein ELISA Kit; LDL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of LDL. No significant cross-reactivity or interference between LDL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LDL and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 nmol/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDL elisa kit	Intended Uses: This LDL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine LDL. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: LDL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LDL antibody and an LDL-HRP conjugate. The assay sample and buffer are incubated together with LDL-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 LDL concentration since LDL from samples and LDL-HRP conjugate compete for the anti-LDL antibody binding site. Since the number of sites is limited, as more sites are occupied by LDL from the sample, fewer sites are left to bind LDL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LDL concentration in each sample is interpolated from this standard curve.
Product Categories/Family for LDL elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	306411097
Molecular Weight	8,219 Da
NCBI Official Full Name	low density lipoprotein, partial
UniProt Protein Name	Low density lipoprotein
UniProt Gene Name	LDLR
UniProt Entry Name	E1B4T0_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/ldl-canine-elisa-kits/low-density-lipoprotein/92374>