

Mouse Low Density Lipoprotein ELISA Kit | LDL elisa kit

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CATALOG #
AAA83332

REACTIVITY
Mouse

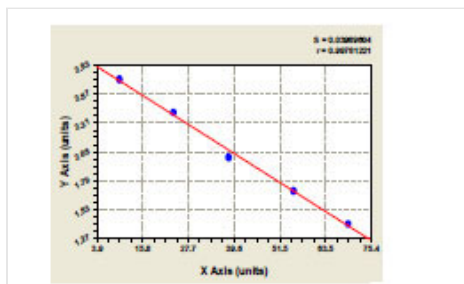
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



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 Mouse LDL. This ELISA kit for research use only!

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-mouse-elisa-kits/low-density-lipoprotein/83332>