

Human Low Density Lipoprotein ELISA Kit | LDL elisa kit

Human Low Density Lipoprotein ELISA Kit

CATALOG #
AAA100435

REACTIVITY
Human

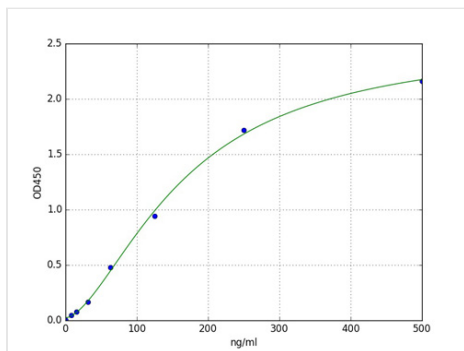
PRODUCT SYNONYMS

Low Density Lipoprotein; Human Low Density Lipoprotein ELISA Kit; LDL (Low-density lipoprotein); LDL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	76
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	6.25-400nmol/ml
Sensitivity	3.75nmol/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a LDL ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	7.8	15.6	31.2	62.5	125	250	500
Y	OD450	0.009	0.057	0.105	0.198	0.372	0.772	1.401	2.112

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDL elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-LDL antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-LDL antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the LDL amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of LDL can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

306411097

NCBI GeneID	3949
Molecular Weight	82,255 Da
NCBI Official Full Name	low density lipoprotein, partial
NCBI Official Synonym Full Names	low density lipoprotein receptor
NCBI Official Symbol	LDLR
NCBI Official Synonym Symbols	FH; FHC; LDLCQ2
NCBI Protein Information	low-density lipoprotein receptor
UniProt Protein Name	Low-density lipoprotein receptor
UniProt Gene Name	LDLR
UniProt Synonym Gene Names	LDL receptor
UniProt Entry Name	LDLR_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-human-elisa-kits/low-density-lipoprotein/100435>