

Human Low Density Lipoprotein Receptor (LDLR) ELISA Kit | LDLR elisa kit

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CATALOG #
AAA136006

REACTIVITY
Human

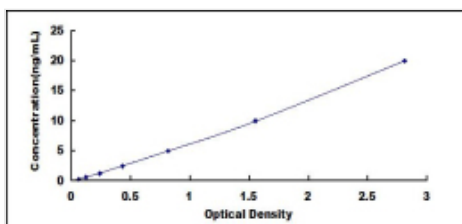
PRODUCT SYNONYMS

Low Density Lipoprotein Receptor (LDLR); Human Low Density Lipoprotein Receptor (LDLR) ELISA Kit; FH; FHC; Familial Hypercholesterolemia; LDLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Low Density Lipoprotein Receptor (LDLR). No significant cross-reactivity or interference between Low Density Lipoprotein Receptor (LDLR) and analogues was observed.
Sequence Length	860
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.114ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Low Density Lipoprotein Receptor (LDLR) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Low Density Lipoprotein Receptor (LDLR) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDLR elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Low Density Lipoprotein Receptor (LDLR). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Low Density Lipoprotein Receptor (LDLR). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Low Density Lipoprotein Receptor (LDLR), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Low Density Lipoprotein Receptor (LDLR) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LDLR elisa kit	Signal transduction; Metabolic pathway; Endocrinology; Cardiovascular biology; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	307121
NCBI GeneID	3949
UniProt Accession #	P01130; Q53ZD9; Q59FQ1; Q9UDH7; B4DII3; B4DJZ8; B4DR00; B4DTQ3; C0JYY8; H0YLU8; H0YNT7
Molecular Weight	82,255 Da
NCBI Official Full Name	low density lipoprotein receptor
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/human-elisa-kits/low-density-lipoprotein-receptor-ldlr/136006>