

Human low density lipoprotein receptor ELISA Kit | LDLR elisa kit

Human low density lipoprotein receptor, LDLR ELISA Kit

CATALOG #
AAA79462

REACTIVITY
Human

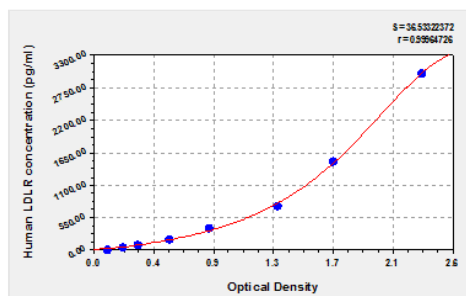
PRODUCT SYNONYMS

low density lipoprotein receptor; Human low density lipoprotein receptor; LDLR ELISA Kit; FH; FHC; LDLCQ2; LDL receptor; low-density lipoprotein receptor class A domain-containing protein 3; LDLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human LDLR. No significant cross-reactivity or interference between human LDLR and analogues was observed.
Sequence Length	860
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	47 pg/ml -3000 pg/ml.
Sensitivity	The minimum detectable dose of human LDLR is typically less than 11.7 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDLR elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for LDLR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LDLR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LDLR is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LDLR bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504975
NCBI GeneID	3949
NCBI Accession #	NP_000518.1
NCBI GenBank Nucleotide #	NM_000527.4
UniProt Accession #	P01130; Q53ZD9; Q59FQ1; Q9UDH7; B4DII3; B4DJZ8; B4DR00; B4DTQ3; C0JYY8; H0YLU8; H0YNT7
Molecular Weight	95,376 Da
NCBI Official Full Name	low-density lipoprotein receptor isoform 1
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; LDL receptor; low-density lipoprotein receptor class A domain-containing protein 3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ldlr-human-elisa-kits/low-density-lipoprotein-receptor/79462>