

Human very low density lipoprotein receptor ELISA Kit | VLDLR elisa kit

Human very low density lipoprotein receptor, VLDLR ELISA Kit

CATALOG #
AAA79552

REACTIVITY
Human

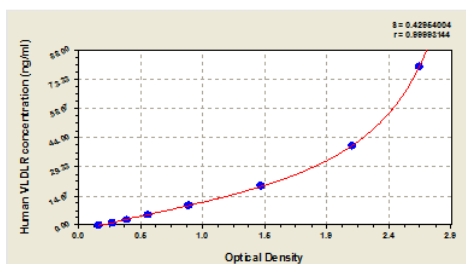
PRODUCT SYNONYMS

very low density lipoprotein receptor; Human very low density lipoprotein receptor; VLDLR ELISA Kit; RP11-320E16.1; CHRMQ1; FLJ35024; VLDLRCH; ; VLDLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human VLDLR. No significant cross-reactivity or interference between Human VLDLR and analogues was observed.
Sequence Length	845
Detection Range	12.5 ng/ml-800 ng/ml
Sensitivity	3.12ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	Lipogenesis and lipometabolism
Protein Biological Process 3	Cholesterol metabolism
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 VLDLR elisa kit	Introduction: The very low density lipoprotein receptor (VLDL-r) is a cell-surface molecule specialized for the internalization of multiple diverse ligands. This receptor has been suggested to be important for the metabolism of apolipoprotein E (apoE)-containing lipoprotein particles, such as very-low-density-lipoprotein (VLDL), beta-migrating VLDL and intermediate-density lipoprotein. Its structure is similar to the low-density lipoprotein receptor (LDL-r), although the two have substantially different systemic distributions and regulatory pathways. It is also one of the receptors of reelin, an extracellular matrix protein which regulates the processes of neuronal migration and synaptic plasticity. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to VLDLR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for VLDLR and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain VLDLR, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of VLDLR in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	65301164
NCBI GeneID	7436
NCBI Accession #	NP_001018066.1
NCBI GenBank Nucleotide #	NM_001018056.1
UniProt Accession #	P98155; Q5VVF6; B2RMZ7; D3DRH6
Molecular Weight	96,098 Da
NCBI Official Full Name	very low-density lipoprotein receptor isoform b
NCBI Official Synonym Full Names	very low density lipoprotein receptor
NCBI Official Symbol	VLDLR
NCBI Official Synonym Symbols	CARMQ1; CHRMQ1; VLDLRCH
NCBI Protein Information	very low-density lipoprotein receptor; VLDL-R; VLDL receptor
UniProt Protein Name	Very low-density lipoprotein receptor
UniProt Gene Name	VLDLR
UniProt Synonym Gene Names	VLDL receptor; VLDL-R
UniProt Entry Name	VLDLR_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.