

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

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CATALOG #
AAA86728

REACTIVITY
Human

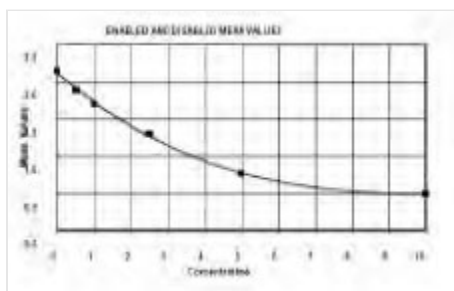
PRODUCT SYNONYMS

Very low density lipoprotein receptor; Human Very low density lipoprotein receptor ELISA Kit; VLDLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VLDLR elisa kit	For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma Intended Uses: This VLDLR ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of VLDLR in the sample, this VLDLR ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus VLDLR concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of VLDLR utilizes a multiclonal anti-VLDLR antibody and an VLDLR-HRP conjugate. The assay sample and buffer are incubated together with VLDLR-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 VLDLR concentration since VLDLR from samples and VLDLR-HRP conjugate compete for the anti-VLDLR antibody binding site. Since the number of sites is limited, as more sites are occupied by VLDLR from the sample, fewer sites are left to bind VLDLR-HRP conjugate. Standards of known VLDLR concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of VLDLR. The VLDLR concentration in each sample is interpolated from this standard curve.
Product Categories/Family for VLDLR elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	65301167
NCBI GeneID	7436
NCBI Accession #	NP_003374.3
NCBI GenBank Nucleotide #	NM_003383.3
Molecular Weight	93,383 Da
NCBI Official Full Name	very low-density lipoprotein receptor isoform a
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.

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Online datasheet: <https://www.aaabiotech.com/vldlr-human-elisa-kits/very-low-density-lipoprotein-receptor/86728>