

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

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CATALOG #
AAA85546

REACTIVITY
Rat

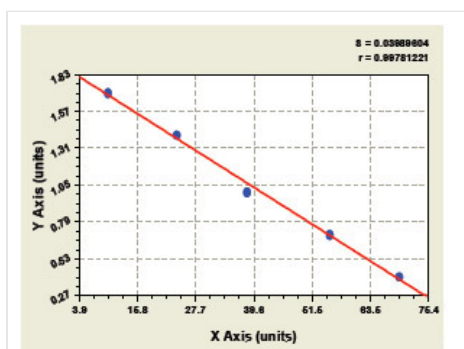
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Highest Standards	50ng/mL
Concentration of Standards	Concentration of Standards
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: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This VLDLR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat VLDLR. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY VLDLR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. 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://stage.aaabiotech.com/vldlr-rat-elisa-kits/very-low-density-lipoprotein-receptor/85546>