

Rat Low density lipoprotein receptor ELISA Kit | LDLR elisa kit

Rat Low density lipoprotein receptor ELISA Kit

CATALOG #
AAA87077

REACTIVITY
Rat

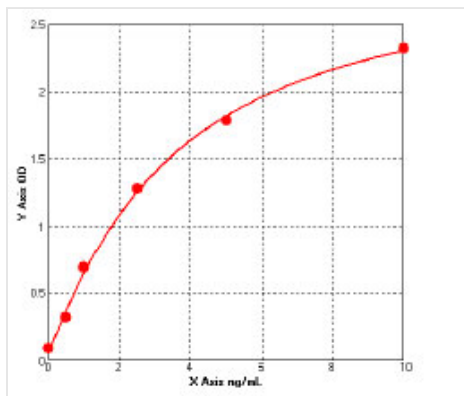
PRODUCT SYNONYMS

Low density lipoprotein receptor; Rat Low density lipoprotein receptor ELISA Kit; LDLR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of LDLR. No significant cross-reactivity or interference between LDLR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LDLR and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDLR elisa kit	Intended Uses: This LDLR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat LDLR. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: LDLR ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for LDLR. Standards or samples are then added to the microtiter plate wells and LDLR if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of LDLR present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for LDLR are added to each well to "sandwich" the LDLR immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain LDLR and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LDLR concentration in each sample is interpolated from this standard curve.
Product Categories/Family for LDLR elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	307121
NCBI GeneID	3949
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; 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://stage.aaabiotech.com/ldlr-rat-elisa-kits/low-density-lipoprotein-receptor/87077>