

Sheep Low density lipoprotein receptor ELISA Kit | LDLR elisa kit

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CATALOG #
AAA93183

REACTIVITY
Sheep

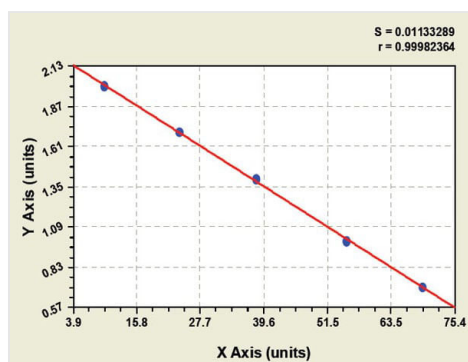
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 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 Sheep LDLR. This ELISA kit for research use only!

Principle of the Assay: LDLR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LDLR antibody and an LDLR-HRP conjugate. The assay sample and buffer are incubated together with LDLR-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 LDLR concentration since LDLR from samples and LDLR-HRP conjugate compete for the anti-LDLR antibody binding site. Since the number of sites is limited, as more sites are occupied by LDLR from the sample, fewer sites are left to bind LDLR-HRP conjugate. 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://www.aaabiotech.com/ldlr-sheep-elisa-kits/low-density-lipoprotein-receptor/93183>