

Rat LRP-1 ELISA Kit | LRP-1 elisa kit

Rat LRP-1 (Low-Density Lipoprotein-Receptor-Related Protein) ELISA Kit

CATALOG #
AAA21502

REACTIVITY
Rat

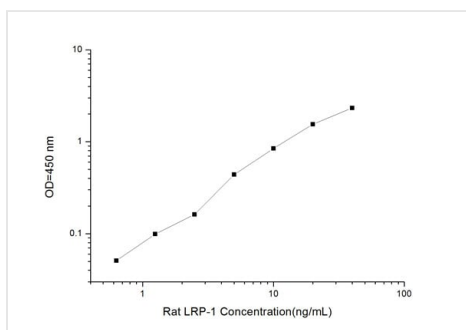
PRODUCT SYNONYMS

LRP-1; Rat LRP-1 (Low-Density Lipoprotein-Receptor-Related Protein) ELISA Kit; LRP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat LRP-1 in samples. No significant cross-reactivity or interference between Rat LRP- 1 and analogues was observed.
Sequence Length	4543
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.63-40ng/mL
Sensitivity	0.38ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat LRP-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat LRP-1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LRP-1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat LRP-1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat LRP-1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat LRP-1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Rat LRP-1. You can calculate the concentration of Rat LRP-1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat LRP-1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45382557
NCBI GeneID	396170
NCBI Accession #	NP_990573.1
NCBI GenBank Nucleotide #	NM_205242.1
UniProt Accession #	P98157
Molecular Weight	506,631 Da
NCBI Official Full Name	low-density lipoprotein receptor-related protein 1
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 1
NCBI Official Symbol	LRP1
NCBI Official Synonym Symbols	A2MR; LRP-1
NCBI Protein Information	low-density lipoprotein receptor-related protein 1; alpha-2-macroglobulin receptor; prolow-density lipoprotein receptor-related protein 1
UniProt Protein Name	Low-density lipoprotein receptor-related protein 1
UniProt Gene Name	LRP1
UniProt Synonym Gene Names	LRP-1; A2MR
UniProt Entry Name	LRP1_CHICK

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.