

Human Low Density Lipoprotein Receptor Related Protein 1 (LRP1) ELISA Kit | LRP1 elisa kit

Human Low Density Lipoprotein Receptor Related Protein 1 (LRP1) ELISA Kit

CATALOG # AAA20491	REACTIVITY Human
------------------------------	----------------------------

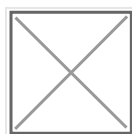
PRODUCT SYNONYMS

Low Density Lipoprotein Receptor Related Protein 1 (LRP1); Human Low Density Lipoprotein Receptor Related Protein 1 (LRP1) ELISA Kit; CD91; LRP; A2MR; APOER; APR; TGFBRS; Alpha-2-Macroglobulin Receptor; Prolow-density lipoprotein receptor-related protein 1; Apolipoprotein E receptor; LRP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LRP1. No significant cross-reactivity or interference between LRP1 and analogues was observed.
Sequence Length	11
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	29.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LRP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LRP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LRP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LRP1 in human serum, plasma and other biological fluids.. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LRP1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LRP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain LRP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of LRP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LRP1 elisa kit	CD & Adhesion molecule; Metabolic pathway; Neuroscience
References	Olfactory Bulb Proteomics Reveals Widespread Proteostatic Disturbances in Mixed Dementia and Guides for Potential Serum Biomarkers to Discriminate Alzheimer Disease and Mixed Dementia Phenotypes; J Pers Med; 2021 Jun 3;11(6):503.; PMID: 34204996; Mercedes Lachén-Montes; Clinical Neuroproteomics Unit, Navarrabiomed, Complejo Hospitalario de Navarra (CHN), Universidad Pública de Navarra (UPNA), Navarra Institute for Health Research (IdiSNA), Irunlarrea, 3, 31008 Pamplona, Spain.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25187912
NCBI GeneID	4035
UniProt Accession #	Q07954; Q2PP12; Q86SW0; Q8IVG8
Molecular Weight	31,631 Da
NCBI Official Full Name	low density lipoprotein receptor related protein 1, partial
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 1
NCBI Official Symbol	LRP1
NCBI Official Synonym Symbols	APR; LRP; A2MR; CD91; APOER; LRP1A; TGFBR5; IGFBP3R
NCBI Protein Information	prolow-density lipoprotein receptor-related protein 1
UniProt Protein Name	Prolow-density lipoprotein receptor-related protein 1
UniProt Gene Name	LRP1
UniProt Synonym Gene Names	A2MR; APR; LRP-1; A2MR; APOER; LRP-85; LRP-515; LRPICD
UniProt Entry Name	LRP1_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/human-elisa-kits/low-density-lipoprotein-receptor-related-protein-1-lrp1/20491>