

Human Low density lipoprotein receptor related protein 1 ELISA Kit | LRP1 elisa kit

Human Low density lipoprotein receptor related protein 1 ELISA Kit

CATALOG #
AAA84971

REACTIVITY
Human

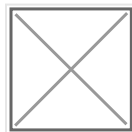
PRODUCT SYNONYMS

Low density lipoprotein receptor related protein 1; Human Low density lipoprotein receptor related protein 1 ELISA Kit; LRP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LRP1 elisa kit

Intended Uses: This LRP-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LRP-1.

Principle of the Assay: LRP-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LRP-1 antibody and an LRP-1-HRP conjugate. The assay sample and buffer are incubated together with LRP-1-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 LRP-1 concentration since LRP-1 from samples and LRP-1-HRP conjugate compete for the anti-LRP-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by LRP-1 from the sample, fewer sites are left to bind LRP-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LRP-1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for LRP1 elisa kit

[Cell Biology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #

[47940659](#)

NCBI GeneID	4035
Molecular Weight	504,606 Da
NCBI Official Full Name	LRP1 protein
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; TGFB5; IGFBP3R
NCBI Protein Information	prolow-density lipoprotein receptor-related protein 1; LRP-1; type V tgf-beta receptor; apolipoprotein E receptor; alpha-2-macroglobulin receptor; TbetaR-V/LRP-1/IGFBP-3 receptor
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.

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Online datasheet: <https://stage.aaabiotech.com/lrp1-human-elisa-kits/low-density-lipoprotein-receptor-related-protein-1/84971>