Human Low-Density Lipoprotein Receptor-Related Protein 2 (LRP2) ELISA Kit | LRP2 elisa kit

Human Low-Density Lipoprotein Receptor-Related Protein 2 (LRP2) ELISA Kit

CATALOG #	REACTIVITY
AAA331929	**Human**

PRODUCT SYNONYMS

Low-Density Lipoprotein Receptor-Related Protein 2 (LRP2); Human Low-Density Lipoprotein Receptor-Related Protein 2 (LRP2) ELISA Kit; LRP2; DBS; gp330; Heymann nephritis antigen homolog; calcium sensor protein; megalin; LRP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Low-density lipoprotein receptor-related protein 2 (LRP2) ELISA Kit has high sensitivity and excellent specificity for detection of Human LRP2. No significant cross-reactivity or interference between Human LRP2 and analogues was observed.
Sequence Length	4655
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES

Standard Curve (Sample)
Fig.1. Human Low-density lipoprotein receptor-related protein 2 (LRP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LRP2 elisa kit	Description: This Human Low-density lipoprotein receptor-related protein 2 (LRP2) ELISA Kit employs a two-site sandwich ELISA to quantitate LRP2 in samples. An antibody specific for LRP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LRP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LRP2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LRP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LRP2 is a multi-ligand endocytic receptor that is expressed in many different tissues but primarily in absorptive epithilial tissues such as the kidney. This glycoprotein has a large amino-terminal extracellular domain, a single transmembrane domain, and a short carboxy-terminal cytoplasmic tail. The extracellular ligand-binding-domains bind diverse macromolecules including albumin, apolipoproteins B and E, and lipoprotein lipase. The LRP2 protein is critical for the reuptake of numerous ligands, including lipoproteins, sterols, vitamin-binding proteins, and hormones. This protein also has a role in cell-signaling; extracellular ligands include parathyroid horomones and the morphogen sonic hedgehog while cytosolic ligands include MAP kinase scaffold proteins and JNK interacting proteins.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160332309
NCBI GeneID	4036
UniProt Accession #	P98164
NCBI Official Full Name	Low-density lipoprotein receptor-related protein 2
NCBI Official Synonym Full Names	LDL receptor related protein 2
NCBI Official Symbol	LRP2
NCBI Official Synonym Symbols	DBS; GP330; LRP-2
NCBI Protein Information	low-density lipoprotein receptor-related protein 2
UniProt Protein Name	Low-density lipoprotein receptor-related protein 2
UniProt Gene Name	**LRP2**
UniProt Synonym Gene Names	LRP-2; gp330
UniProt Entry Name	LRP2_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/human-elisa-kits/low-density-lipoprotein-receptor-related-protein-2-lrp2/331929