

Human Low-Density Lipoprotein-receptor-Related Protein 4 (LRP-4) ELISA Kit | LRP-4 elisa kit

Human Low-Density Lipoprotein-receptor-Related Protein 4 (LRP-4) ELISA Kit

CATALOG # AAA331928	REACTIVITY Human
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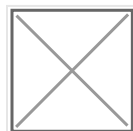
PRODUCT SYNONYMS

Low-Density Lipoprotein-receptor-Related Protein 4 (LRP-4); Human Low-Density Lipoprotein-receptor-Related Protein 4 (LRP-4) ELISA Kit; LRP4; KIAA0816; LRP10; MEGF7; low-density lipoprotein receptor-related protein 4; multiple epidermal growth factor-like domains 7; LRP-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Low-density lipoprotein-receptor-related protein 4 (LRP-4) ELISA Kit has high sensitivity and excellent specificity for detection of Human LRP4. No significant cross-reactivity or interference between Human LRP4 and analogues was observed.
Sequence Length	1905
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 4 (LRP-4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LRP-4 elisa kit	Description: This Human Low-density lipoprotein-receptor-related protein 4 (LRP-4) ELISA Kit employs a two-site sandwich ELISA to quantitate LRP4 in samples. An antibody specific for LRP4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LRP4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LRP4 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 LRP4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Proteins with EGF-like domains often consist of more than 1,000 amino acids, have multiple copies of the EGF-like domain, and contain additional domains known to be involved in specific protein-protein interactions. The predicted partial LRP4 protein contains 2 EGF-like domains, a calcium binding-type EGF-like domain, 3 LDL receptor-type EGF-like domains, 4 YWTD spacer regions, a transmembrane domain, a cytoplasmic NPXY motif, which is required for clustering and internalization of LDL receptors, and a cytoplasmic tSXV motif, which anchors proteins with a PDZ domain. The sequence and domain organization of LRP4 shows significant similarities to those of members of the LDL receptor family. Northern blot analysis detected rat Megf7 expression in several regions of the brain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157384998
NCBI GeneID	4038
NCBI Accession #	NP_002325.2
NCBI GenBank Nucleotide #	NP_002325.2
UniProt Accession #	O75096
NCBI Official Full Name	low-density lipoprotein receptor-related protein 4
NCBI Official Synonym Full Names	LDL receptor related protein 4
NCBI Official Symbol	LRP4
NCBI Official Synonym Symbols	CLSS; CMS17; LRP-4; LRP10; MEGF7; SOST2
NCBI Protein Information	low-density lipoprotein receptor-related protein 4
UniProt Protein Name	Low-density lipoprotein receptor-related protein 4
UniProt Gene Name	LRP4
UniProt Synonym Gene Names	KIAA0816; LRP10; MEGF7; LRP-4
UniProt Entry Name	LRP4_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.