

Human Low-Density Lipoprotein-receptor-Related Protein (LRP-6) ELISA Kit | LRP-6 elisa kit

Human Low-Density Lipoprotein-receptor-Related Protein (LRP-6) ELISA Kit

CATALOG #
AAA331927

REACTIVITY
Human

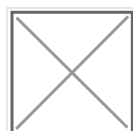
PRODUCT SYNONYMS

Low-Density Lipoprotein-receptor-Related Protein (LRP-6); Human Low-Density Lipoprotein-receptor-Related Protein (LRP-6) ELISA Kit; LRP6; ADCAD2; FLJ90062; FLJ90421; LRP-6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Low-density lipoprotein-receptor-related protein (LRP-6) ELISA Kit has high sensitivity and excellent specificity for detection of Human LRP6. No significant cross-reactivity or interference between Human LRP6 and analogues was observed.
Sequence Length	1613
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 (LRP-6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LRP-6 elisa kit	Description: This Human Low-density lipoprotein-receptor-related protein (LRP-6) ELISA Kit employs a two-site sandwich ELISA to quantitate LRP6 in samples. An antibody specific for LRP6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LRP6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LRP6 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 LRP6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The LRP6 is a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. The protein encoded by this gene functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade this gene plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types. This protein undergoes gamma-secretase dependent RIP- (regulated intramembrane proteolysis) processing but the precise locations of the cleavage sites have not been determined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148727288
NCBI GeneID	4040
NCBI Accession #	NP_002327.2
NCBI GenBank Nucleotide #	NP_002327.2
UniProt Accession #	O75581
NCBI Official Full Name	low-density lipoprotein receptor-related protein 6
NCBI Official Synonym Full Names	LDL receptor related protein 6
NCBI Official Symbol	LRP6
NCBI Official Synonym Symbols	ADCAD2; STHAG7
NCBI Protein Information	low-density lipoprotein receptor-related protein 6
UniProt Protein Name	Low-density lipoprotein receptor-related protein 6
UniProt Gene Name	LRP6
UniProt Synonym Gene Names	LRP-6
UniProt Entry Name	LRP6_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-lrp-6/331927>