

Human Anti Low-density lipoprotein receptor-related protein 4 antibody (LRP-4-Ab) ELISA Kit | LRP-4-Ab elisa kit

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CATALOG # AAA27394	REACTIVITY Human
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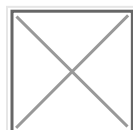
PRODUCT SYNONYMS

Anti Low-density lipoprotein receptor-related protein 4 antibody (LRP-4-Ab); Human Anti Low-density lipoprotein receptor-related protein 4 antibody (LRP-4-Ab) ELISA Kit; LRP-4-Ab elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LRP4Ab. No significant cross-reactivity or interference between LRP4Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LRP4Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	519
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LRP-4-Ab elisa kit

Principle of the Assay: LRP4Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing Low-density lipoprotein receptor-related protein 4 antigen and an LRP4Ab-HRP conjugate. The assay sample and buffer are incubated together with LRP4Ab-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 LRP4Ab concentration since LRP4Ab from samples and LRP4Ab-HRP conjugate compete for the Low-density lipoprotein receptor-related protein 4 antigen binding site. Since the number of sites is limited, as more sites are occupied by LRP4Ab from the sample, fewer sites are left to bind LRP4Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LRP4Ab concentration in each sample is interpolated from this standard curve.

Intended Uses: This LRP4Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LRP4Ab. This ELISA kit for research use only, not for therapeutic or diagnostic applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	224994225
NCBI GeneID	228357
NCBI Accession #	NP_001139329.1
NCBI GenBank Nucleotide #	NM_001145857.1
UniProt Accession #	Q8VI56; Q8BPX5; Q8CBB3; Q8CCP5; A2AGT4
Molecular Weight	205,373 Da
NCBI Official Full Name	low-density lipoprotein receptor-related protein 4 isoform 2
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 4
NCBI Official Symbol	Lrp4
NCBI Official Synonym Symbols	mdig; Megf7; D230026E03; 6430526J12Rik
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; LRP-4

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/anti-low-density-lipoprotein-receptor-related-protein-4-antibody-lrp-4-ab/27394>