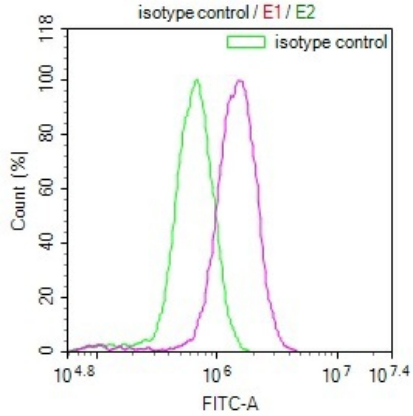
RecomAb™ Sm Size

LRP2 recombinant monoclonal antibody, clone 10B5

Catalog # RAB08412 Size 50 uL

Applications



Flow Cytometry

Overlay Peak curve showing MCF-7 cells stained with LRP2 recombinant monoclonal antibody, clone 10B5 (red line) at 1:100.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human LRP2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human LRP2.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Overlay Peak curve showing MCF-7 cells stained with LRP2 recombinant monoclonal antibody, clone 10B5 (red line) at 1:100.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — LRP2

Entrez GeneID	4036
Protein Accession#	P98164
Gene Name	LRP2
Gene Alias	DBS, gp330
Gene Description	low density lipoprotein-related protein 2
Omim ID	222448 600073
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene, low density lipoprotein-related protein 2 (LRP2) or megalin, is a multi-ligand endocytic receptor that is expressed in many different tissues but primarily in absor ptive epithilial tissues such as the kidney. This glycoprotein has a large amino-terminal extracellul ar domain, a single transmembrane domain, and a short carboxy-terminal cytoplasmic tail. The ex tracellular ligand-binding-domains bind diverse macromolecules including albumin, apolipoprotei ns B and E, and lipoprotein lipase. The LRP2 protein is critical for the reuptake of numerous ligan ds, 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 soni c hedgehog while cytosolic ligands include MAP kinase scaffold proteins and JNK interacting prot eins. Recycling of this membrane receptor is regulated by phosphorylation of its cytoplasmic dom ain. Mutations in this gene cause Donnai-Barrow syndrome (DBS) and facio-oculoacoustico-renal syndrome (FOAR)
Other Designations	Heymann nephritis antigen homolog|calcium sensor protein|megalin

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Pathway

- Hedgehog signaling pathway

Disease

- Alcoholism
- Alzheimer Disease
- Atherosclerosis
- Cardiovascular Diseases
- Conduct Disorder
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Diseases
- Genetic Predisposition to Disease
- Hearing Disorders
- Hypercholesterolemia
- Hyperlipidemias
- Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Recurrence
- Tobacco Use Disorder

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