

For Research Use Only

# FcZero-rAb™ Biotin Anti-Human LRP1 (5A6) Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA65594



## Basic Information

**Catalog Number:**

Biotin-FcA65594

**Concentration:**

100ug, 500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC045107

**GeneID (NCBI):**

4035

**UNIPROT ID:**

Q07954

**Full Name:**

low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)

**Calculated MW:**

505 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

5A6

**Recommended Dilutions:**

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

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## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

**Positive Controls:**

FC : U-87 MG cells,

## Background Information

LRP1 (Prolow-density lipoprotein receptor-related protein 1), also known as A2MR, APOER and CD91, is a type I transmembrane protein that belongs to the LDLR family. LRP1 is synthesized as a transmembrane glycosylated precursor of 600 kDa, and is subsequently cleaved to generate a large 515-kDa N-terminal extracellular subunit and an 85-kDa C-terminal transmembrane subunit, which are noncovalently associated with one another (PMID: 2112085; 8546712). LRP1 is a multifunctional receptor involved in the clearance of a large number of diverse ligands and modulating various cellular processes. LRP1 is implicated in conditions such as atherosclerosis, cancer and neurodegenerative diseases (PMID: 28381441).

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

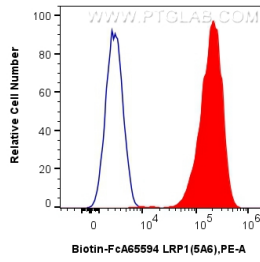
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## Selected Validation Data



1x10<sup>6</sup> U-87 MG cells were surface stained with 0.25 ug Biotin Anti-Human LRP1 (5A6) Rabbit IgG RecAb (Biotin-FcA65594, Clone:5A6) (red), or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.