

# Anti-Human LRP1 (5A6)

Catalog Number: 65233-1-Ig

## Basic Information

**Catalog Number:**

65233-1-Ig

**Size:**

100ug, 0.5 mg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**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:**

Affinity purification

**CloneNo.:**

5A6

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human

## 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. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide.

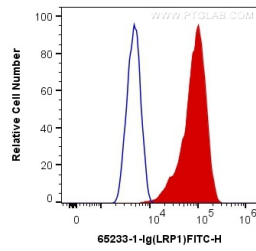
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> U-87 MG cells were surface stained with 1 ug Anti-Human LRP1 (65233-1-Ig, Clone:5A6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 1 ug Control Antibody. Cells were not fixed.