

For Research Use Only

# CoraLite®594 Anti-Human LRP1 (5A6) Mouse IgG2a Recombinant Antibody

Catalog Number:CL594-65594



## Basic Information

Catalog Number:

CL594-65594

Concentration:

100tests, 5 ul/test

Source:

Mouse

Isotype:

IgG2a

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: 5 ul per 10<sup>6</sup> cells in a 100 µl  
suspension

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## 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 and 0.5% BSA, pH7.3

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

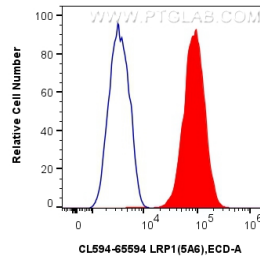
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## Selected Validation Data



$1 \times 10^6$  U-87 MG cells were surface stained with 5  $\mu$ l CoraLite®594 Anti-Human LRP1 (5A6) Mouse IgG2a RecAb (CL594-65594, Clone: 5A6) (red) or CoraLite®594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (blue). Cells were not fixed.