

# APC Rabbit anti-Human LGR5 (GPR49) mAb

Catalog No.: A26864

## Basic Information

### Observed MW

### Calculated MW

100kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC71071-APC

### Conjugate

APC. Ex:650nm. Em:660nm.

## Background

The protein encoded by this gene is a leucine-rich repeat-containing receptor (LGR) and member of the G protein-coupled, 7-transmembrane receptor (GPCR) superfamily. The encoded protein is a receptor for R-spondins and is involved in the canonical Wnt signaling pathway. This protein plays a role in the formation and maintenance of adult intestinal stem cells during postembryonic development. Several transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Immunogen Information

### Gene ID

8549

### Swiss Prot

O75473

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 480-580 of human LGR5 (NP\_003658.1).

### Synonyms

FEX; HG38; GPR49; GPR67; GRP49

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

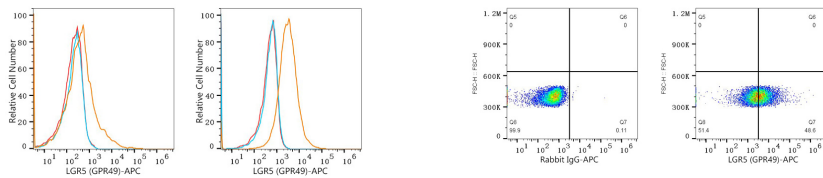
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  U-937 cells (negative control, left) and Hep G2 cells (right) were surface-stained with APC Rabbit anti-Human LGR5 (GPR49) mAb (A26864, 5  $\mu$ l/Test, orange line) or APC Rabbit IgG isotype control (A24173, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  Hep G2 cells were surface-stained with APC Rabbit IgG isotype control (A24173, 5  $\mu$ l/Test, left) or APC Rabbit anti-Human LGR5 (GPR49) mAb (A26864, 5  $\mu$ l/Test, right).