Order: (888)-282-5810 (Phone)
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LGR5 (C) Antibody, Mouse Monoclonal

Cat#: M2036-4a

Lot#: Refer to vial

Application: WB, Flow cytometry

Quantity: 100 ug

Predicted I Observed M.W.: 100 kDa

Uniprot ID: O75473

Isotype: Mouse IgG2a

Clone: 2C7

Background:

Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5) is also known as GPR49, which is a multi-pass cell membrane protein that belongs to the G-protein coupled receptor 1 family. LGR5 is an orphan receptor and a stem cell marker of the intestinal epithelium and the hair follicle. LGR5 is a target gene of WNT signaling. LGR5 is expressed in skeletal muscle, placenta, spinal cord, and various region of brain. Over-expression of LGR5 has been observed in cancers of the ovary, colon and liver.

Other Names:

Leucine-rich repeat-containing G-protein coupled receptor 5, G-protein coupled receptor 49, G-protein coupled receptor 67, G-protein coupled receptor HG38, GPR49, GPR67

Source and Purity:

Mouse monoclonal antibodies were produced by immunizing animals with GST-fusion proteins containing the C-terminal region of human LGR5, which shares 100% homology with mouse LGR5. Antibodies were purified by Caprylic Acid- Ammonium Sulfate precipitation.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 40% Glycerol, 0.02% Thimerosal. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)
Flow cytometry: 1:100-1:300

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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Product Data:

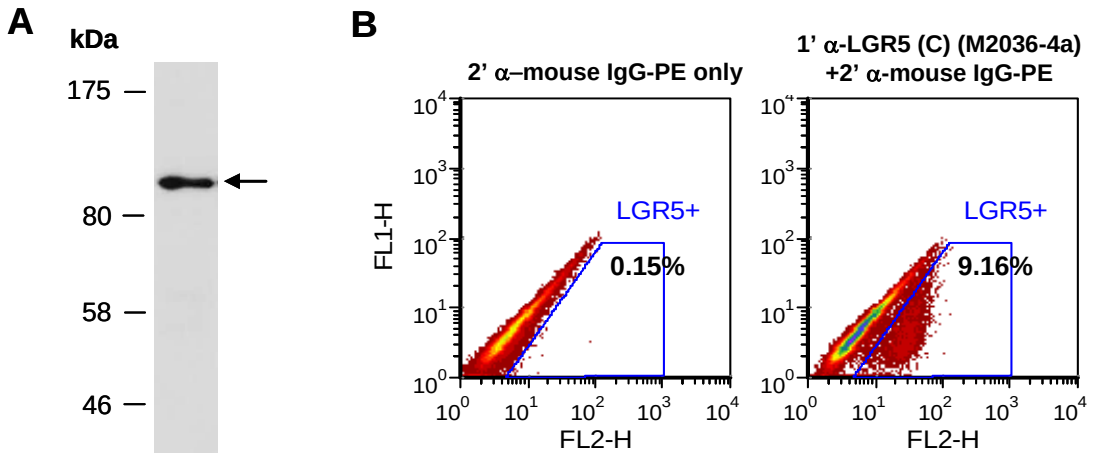

Fig 1. (A) *Western blot of total cell extracts from human HepG2, using anti-LGR5 (C) (M2036-4a) at RT for 2 h.* ***(B)*** *Flow cytometry was performed with HepG2 cells using PE-labeled 2' anti-mouse IgG only (left), or anti-LGR5 (C) (M2036-4a) followed by 2' anti-mouse IgG-PE (right). The numbers in the box indicate LGR5+ population.*

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