abcam

ab273092

Anti-LGR5 antibody [OTI2A2]

Anti-LGR5 antibody [OTI2A2] (ab273092) is a mouse monoclonal antibody detecting LGR5 in **Flow Cytometry, ICC/IF**. Suitable for **Human,**.

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human LGR5 aa 250-550. The exact immunogen used to generate this antibody is proprietary information. Database link O75473
Clone number	OTI2A2
Purification technique	Affinity purification
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from tissue culture supernatant.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/100
Notes	-

Not recommended

Species	Recombinant fragment
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Recombinant fragment
Dilution info	1/100
Notes	-

Species	Human
Dilution info	1/100
Notes	-

Target data

See full target information LGR5

Function Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a stem cell marker of the intestinal epithelium and the hair follicle. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. In contrast to classical G-protein coupled receptors, does not activate heterotrimeric G-proteins to transduce the signal. Involved in the development and/or maintenance of the adult intestinal stem cells during postembryonic development.

Storage

Shipped at conditions Blue Ice

Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Product Specifications
Anti-LGR5 antibody [OTI2A2] (ab273092) is a mouse monoclonal antibody and is validated for use in Flow Cyt, ICC/IF in human samples.
Anti-LGR5 antibody [OTI2A2] (ab273092) specifically detects LGR5 (UniProt ID: O75473; Molecular weight: 98kDa) and is sold in 100 µg selling sizes.

Quality and Validation
Abcam's high quality validation processes ensure Anti-LGR5 antibody [OTI2A2] (ab273092) has high sensitivity and specificity.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

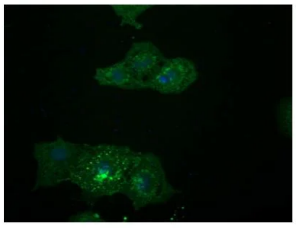
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

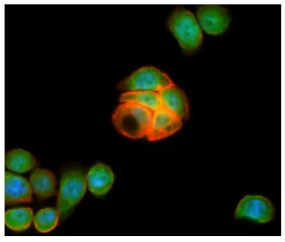
3 product images



Immunocytochemistry/ Immunofluorescence - Anti-LGR5 antibody [OTI2A2] (ab273092)

LGR5 Immunocytochemistry/ Immunofluorescence staining using mouse Anti-LGR5 antibody

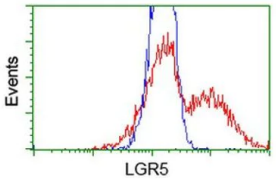
Immunofluorescent staining of COS-7 cells transiently transfected by pCMV6-ENTRY LGR5, labeling LGR5 using ab273092 at 1/100 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-LGR5 antibody [OTI2A2] (ab273092)

LGR5 Immunocytochemistry/ Immunofluorescence staining using mouse Anti-LGR5 antibody

Immunofluorescent staining of HT-29 cells labeling LGR5 using ab273092 at 1/100 dilution (green). Actin filaments were labeled with TRITC-phalloidin (red). The nuclear counter stain is DAPI (blue).



Flow Cytometry - Anti-LGR5 antibody [OTI2A2] (ab273092)

LGR5 Flow Cytometry staining using mouse Anti-LGR5 antibody

Flow cytometric analysis of HEK-293T cells transfected with either LGR5 overexpressed plasmid (Red) or empty vector control plasmid (Blue). Cells were immunostained with ab273092 at 1/100 dilution.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.