Name: Anti-LGR5 mouse mAb, clone OTI2A2, PE conjugated

Components:  
- Anti-LGR5 mouse mAb, clone OTI2A2, PE conjugated (TA400001)

Amount:  
100 ul

Immunogen:  
Human recombinant protein fragment corresponding to amino acids 250-550 of human LGR5 (NP_003658) produced in HEK293T Cell.

Host:  
Mouse

Isotype:  
IgG1

Species Reactivity:  
Human, Mouse

Guaranteed Applications:  
FC, IHC

Suggested Dilutions:  
FC: 1:50

Concentration:  
0.5 mg/ml

Buffer:  
PBS (pH 7.4) containing 0.02% NaN3; store at 4°C, do not freeze

Purification:  
Purified from mouse ascites fluids by affinity chromatography

Storage Condition:  
Shipped at 4°C. Upon delivery store at 4°C. Dilute in PBS (pH 7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Target

Target Name:  
Homo sapiens leucine rich repeat containing G protein-coupled receptor 5 (LGR5), transcript variant 1

Alternative Name:  
FEX; GPR49; GPR67; GRP49; HG38

Database Link:  
NP_003658

Function:  

HT29 cells are fixed with 2% formaldehyde for 20 min at RT, then stained with PE-labeled 2A2 anti-Lgr5 antibody. Black line: isotope control; Red line: anti-Lgr5-PE.

Figure from citation: Immunohistochemistry analysis of stem cell marker LGR5 by using anti-LGR5 antibody in native human colonic crypts microdissected from a fixed biopsy specimen. <a href='http://www.ncbi.nlm.nih.gov/pubmed/25762290' target='_blank'>View Citation</a>

Figure from citation: Flow cytometric analysis of gated cells co-expressing CD44 and LGR5 using FITC anti-CD44 antibody and anti-LGR5 PE conjugated antibody (TA400001). Dilution: 1:50 <a href='http://www.ncbi.nlm.nih.gov/pubmed/25605613' target='_blank'>View Citation</a>

* More validation images may be available on our website: http://www.origene.com/antibody/TA400001.aspx