

PE anti-human LGR5 (GPR49)

Catalog # / Size: 2469015 / 25 tests
2469020 / 100 tests

Clone: SA222C5

Isotype: Mouse IgG2a, κ

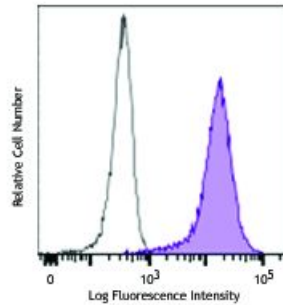
Immunogen: Human LGR5 transfectant cells

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: 0.5



BaF3 cells transfected with human LGR5 were stained with anti-human LGR5 PE (clone SA222C5, closed histogram) or mouse IgG2a, κ PE isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 0.5 microL per million cells or 0.5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Description: LGR5, also known as GPR49, is a 100 KD protein. It is a member of GPCR class A orphan receptor proteins which binds R-spondin and does not activate through heterotrimeric G protein like other GPCR. It triggers the Wnt signaling pathway downstream. LGR5 is expressed across a diverse range of tissue such as in the muscle, placenta, spinal cord and brain and particularly as a biomarker of adult stem cells in certain tissues.

- Antigen References:**
1. Hsu Sy, *et al.* 1998. *Mol. Endocrinol.* 12:1830.
 2. Barker N, *et al.* 2007. *Nature.* 449:1003.
 3. Morita H, *et al.* 2004. *Mol. Cell. Biol.* 24(22):9736.
 4. Arioka Y, *et al.* 2017