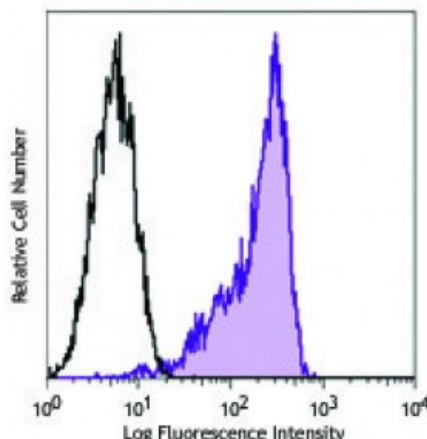


Purified anti-human CD199 (CCR9)

Catalog # / Size: 2394510 / 100 µg
Clone: L053E8
Isotype: Mouse IgG2a, κ
Immunogen: Cells transfected with human CCR9
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



Human acute lymphoblastic leukemia cell line MOLT-4 was stained with purified CCR9 (clone L053E8, filled histogram) or purified mouse IgG2a, κ isotype control (open histogram), followed by anti-mouse IgG FITC.

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 ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: Human CD199, also known as CCR9, is a member of the G protein coupled receptor family and is involved in T cell development in the thymus and in the gut-associated immune response. It is highly expressed on different stages of thymocytes and upregulated on CD4⁺ CD8⁺ cells. Expression of CCR9 on γ/δ T cells in the intraepithelial and small intestine has been reported. The interaction of CCR9 with its ligand CCL25 (TECK, thymus-expressed chemokine) may direct the trafficking of developing T cells in the thymus and the generation of gut-specific immunological memory.

Antigen References:
 1. Zaballo A, *et al.* 1999. *J. Immunol.* 162:5671.
 2. Wurzel MA, *et al.* 2007. *J. Immunol.* 178:7598.
 3. Wurzel MA, *et al.* 2006. *Eur. J. Immunol.* 36:73.