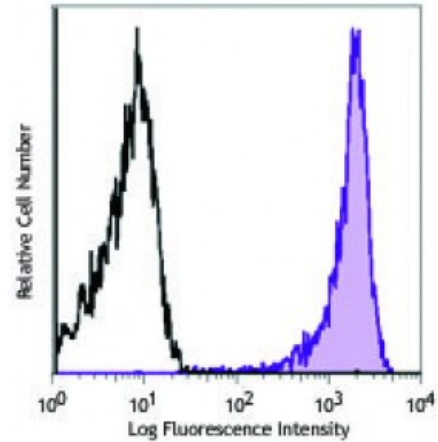


**Alexa Fluor® 647 anti-human CD199 (CCR9)**

<b>Catalog # / Size:</b>	2394555 / 25 tests 2394560 / 100 tests
<b>Clone:</b>	L053E8
<b>Isotype:</b>	Mouse IgG2a, κ
<b>Immunogen:</b>	Cells transfected with human CCR9
<b>Reactivity:</b>	Human
<b>Preparation:</b>	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Concentration:</b>	Lot-specific



Human acute lymphoblastic leukemia cell line, MOLT-4, was stained with CCR9 (clone L053E8) Alexa Fluor® 647 (filled histogram) or mouse IgG2a, κ Alexa Fluor® 647 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 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

**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<sup>+</sup> CD8<sup>+</sup> 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. Zaballos A, *et al.* 1999. *J. Immunol.* 162:5671.
2. Wurbel MA, *et al.* 2007. *J. Immunol.* 178:7598.
3. Wurbel MA, *et al.* 2006. *Eur. J. Immunol.* 36:73.