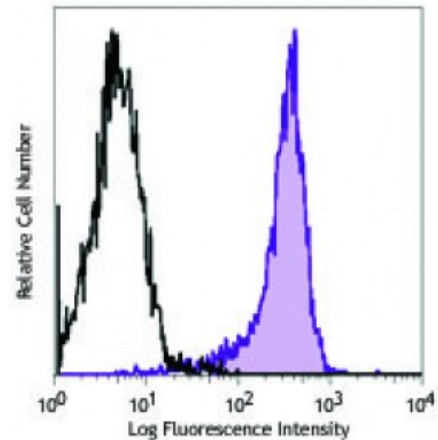


**PE/Cy7 anti-human CD199 (CCR9)**

<b>Catalog # / Size:</b>	2394545 / 25 tests 2394550 / 100 tests
<b>Clone:</b>	L053E8
<b>Isotype:</b>	Mouse IgG2a, $\kappa$
<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 PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.
<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) PE/Cy7 (filled histogram) or mouse IgG2a,  $\kappa$  PE/Cy7 isotype control (open histogram).

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	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.

**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  $\gamma/\delta$  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.

<b>Antigen</b>	1. Zaballo A, <i>et al.</i> 1999. <i>J. Immunol.</i> 162:5671.
<b>References:</b>	2. Wurbel MA, <i>et al.</i> 2007. <i>J. Immunol.</i> 178:7598.
	3. Wurbel MA, <i>et al.</i> 2006. <i>Eur. J. Immunol.</i> 36:73.