

KIRAVIA Blue 520™ anti-human CD199 (CCR9)

Catalog # / Size: 2394625 / 25 tests
2394630 / 100 tests

Clone: L053E8

Isotype: Mouse IgG2a, κ

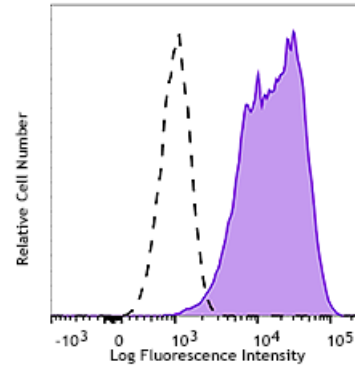
Immunogen: Cells transfected with human CCR9

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with KIRAVIA Blue 520™ under optimal conditions.

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

Concentration: Lot-specific



Human acute lymphoblastic leukemia cell line, MOLT-4, was stained with anti-human CD199 (CCR9) (clone L053E8) KIRAVIA Blue 520™ (filled histogram) or mouse IgG2a, κ KIRAVIA Blue 520™ 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 μL per million cells in 100 μL staining volume or 5 μL per 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* KIRAVIA Blue 520™ has an excitation maximum of 495 nm, and a maximum emission of 520 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⁺ 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. 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.