

Brilliant Violet 421™ anti-human CD199 (CCR9)

Catalog # / Size: 2394565 / 25 tests
2394570 / 100 tests

Clone: L053E8

Isotype: Mouse IgG2a, κ

Reactivity: Human

Concentration: Lot-specific

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.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.

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.