

Anti-Mouse CD185/CXCR5-142Nd

Catalog: 3142015B

Package size: 100 tests

Storage: Store at 4 °C. Do not freeze.

Clone: L138D7

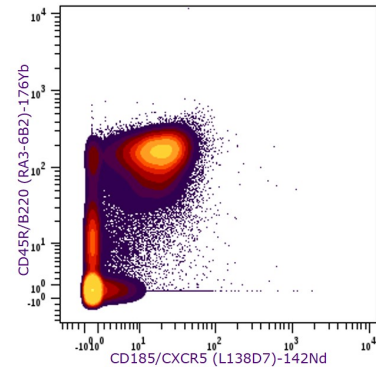
Isotype: Rat IgG2b

Formulation: Antibody stabilizer with 0.05% sodium azide

Technical Information

Validation: Each lot of conjugated antibody is quality control-tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended usage: The suggested use is 1 µL for up to 3 × 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 176Yb-anti-B220 (RA3-6B2) and 142Nd-anti-CD185/CXCR5 (L138D7). Total viable lymphocytes are displayed in the analysis.

Description

CXCR5, also known as CD185 and Burkitts lymphoma receptor 1 (BLR1), is a chemokine receptor that binds to CXCL13. CXCR5 plays an essential role in the migration of B cells to the follicular compartment in the spleen, lymph nodes, Peyer's patches, and tonsils. It also plays a role in normal maturation of primary follicle follicular dendritic cells. CXCR5 is expressed on B cells and TFH cells.

References

Bandura, D.R. et al. "Mass cytometry: technique for real time single cell multitarget immunoassay based on inductively coupled plasma time-of-flight mass spectrometry." *Analytical Chemistry* 81 (2009): 6,813–22.

Ornatsky, O.I. et al. "Highly multiparametric analysis by mass cytometry." *Journal of Immunological Methods* 361 (2010): 1–20.

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