

Anti-Human CD185/CXCR5-164Dy

Catalog: 3164029B

Clone: RF8B2

Package size: 100 tests

Isotype: Rat IgG2b

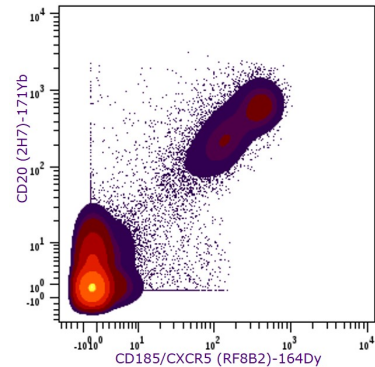
Storage: Store at 4 °C. Do not freeze.

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 x 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 171Yb-anti-CD20 (2H7) and 164Dy-anti-CD185/CXCR5 (RF8B2). Lymphocytes are displayed in the analysis.

Description

CXCR5, also known as CD185 and Burkitt lymphoma receptor 1 (BLR1), is a G protein-coupled seven transmembrane receptor which 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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