

Anti-Mouse CD185-142Nd

Catalog: 3142008B

Package Size: 100 tests

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

Reactivity: Mouse,

Clone: 614641

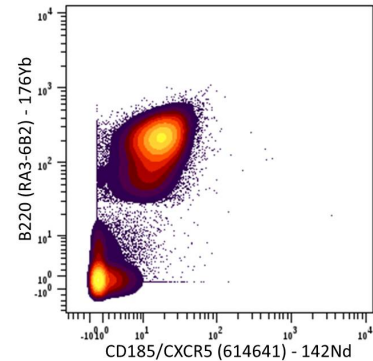
Isotype: IgG2a

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 μ l for up to 3×10^6 live cells in 100 μ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with ¹⁴²Nd-anti-CD185/CXCR5 (614641) and ¹⁷⁶Yb-anti-B220 (RA3-6B2). Total viable 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* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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