

Anti-Human CD196/CCR6-141Pr

Catalog: 3141014A

Clone: 11A9

Package size: 50 tests

Isotype: Mouse IgG1

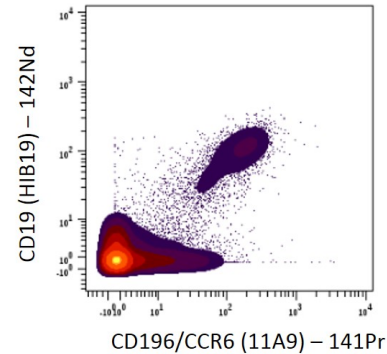
Storage: Store at 4 °C. Do not freeze.

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 × 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 were stained with ¹⁴²Nd-anti-CD19 (HIB19) and ¹⁴¹Pr-anti-CD196/CCR6 (11A9). CD45+ CD11b- cells are displayed in the analysis.

Description

CD196, also known as CC-chemokine receptor type 6 (CCR6), is expressed on immature dendritic cells, B lymphocytes, and memory T cells. CCR6-positive cells, and CCR6 ligand CCL20, have been detected in numerous organs, especially the secondary lymphoid organ. It can mediate the arrest of T cells and has been reported to be highly expressed on T cells resident in both normal and psoriatic skin. CCR6 and/or CCL20 have also been implicated in the pathogenesis of various inflammatory autoimmune diseases, playing a role in the recruitment of Th17 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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