

Anti-Human CD193/CCR3-175Lu

Catalog: 3175025B

Package size: 100 tests

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

Clone: 5E8

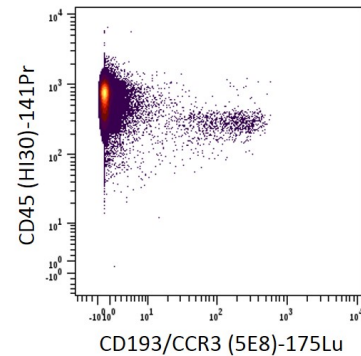
Isotype: Mouse IgG2b

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.



Human PBMCs stained with 141Pr-anti-CD45 (HI30) and 175Lu-anti-CD193/CCR3 (5E8). Viable cells are displayed in the analysis.

Description

CD193, also known as CCR3 (C-C chemokine receptor type 3), is a member of the G protein-coupled seven-transmembrane receptor family. It is a high-affinity chemokine receptor for CCL11/eotaxin-1, CCL24/eotaxin-2, and CCL26/eotaxin-3, but it has also been reported to bind CCL5/RANTES, CCL7/MCP-3, and CCL14/MCP-4 with low affinity. CD193 is expressed on human eosinophils, basophils, mast cells, mononuclear phagocytes, platelets, CD34+ hematopoietic progenitor cells, Th2-like lymphocytes, and keratinocytes. It plays an important role in the migration of eosinophils in allergic airway inflammation and asthma.

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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