# Anti-Human CD183-156Gd

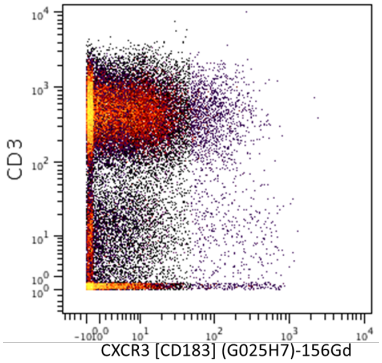
Catalog: 3156004B
Package Size: 100 tests
Storage: Store product at 4°C. Do not freeze.
Reactivity: Cynomolgus Monkey, Rhesus,

Clone: G025H7
Isotype: IgG1
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 $10^6$ 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 170Er-anti-CD3 (UCHT1) and 156Gd-anti-CXCR3/CD183 (G025H7). Lymphocytes are displayed in the analysis.

## Description

CXCR3, also known as G protein-coupled receptor 9 (GPR9) and CD183, is a seven-pass transmembrane receptor coupled to G-protein. It is a chemokine receptor that that binds CXCL9, CXCL10, and CXCL11. CXCR3 is highly expressed by T lymphocytes, NK cells, dendritic cells, mast cells, alveolar macrophages, eosinophils, and human airway epithelial 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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