

# Anti-Human CD197-159Tb

Catalog: 3159003A

Package Size: 50 tests

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

Reactivity: Rhesus,

Clone: G043H7

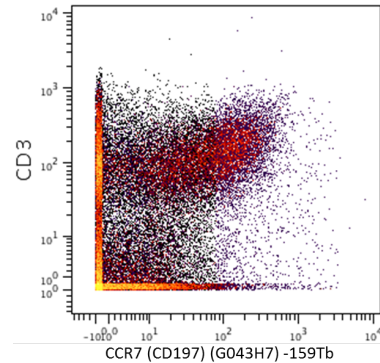
Isotype: IgG2a

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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<sup>6</sup> 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 159Tb-anti-CCR7 (CD197). Lymphocytes are displayed in the analysis.

## Description

CCR7 (C-C chemokine receptor type 7), also known as CD197, binds CCL19 and CCL21. CCR7 and its ligands link innate and adaptive immunity through their effects on interactions between T cells and dendritic cells. CCR7 is expressed by naive T cells, various cancer cells, such as nonsmall lung cancer, gastric cancer and oesophageal cancer and this expression is linked with metastasis to lymph nodes. Antibody clone G043H7 binds to an epitope of CCR7 when it is expressed on the cell's surface.

## 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.

### For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

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