

## Anti-Human CD195-144Nd

**Catalog #:** 3144007A

**Package Size:** 50 tests

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

**Cross Reactivity:** Human

**Clone:** NP-6G4

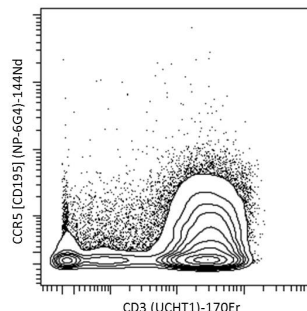
**Isotype:** Mouse IgG

**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 144Nd-anti-CCR5/CD195 (NP-6G4). Lymphocytes are displayed in the analysis.

### Description

CD195, also known as CCR5 (CC-chemokine receptor type 5) is a 45 kD protein on the surface of white blood cells involved in the immune system and acts as a receptor for chemokines. It binds to MIP-1 $\alpha$ , MIP-1 $\beta$ , and RANTES and is expressed on a subset of T cells and monocytes. CD195 mediates an intracellular signal thought to induce cell differentiation and proliferation. CCR5 has also been shown to act as a co-receptor for R5 HIV-1 cell entry.

### 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.

### Contact Information:

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