

# Anti-Human CD182/CXCR2-147Sm

Catalog: 3147010B

Package Size: 100 tests

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

Reactivity: Human,

Clone: 5E8/CXCR2

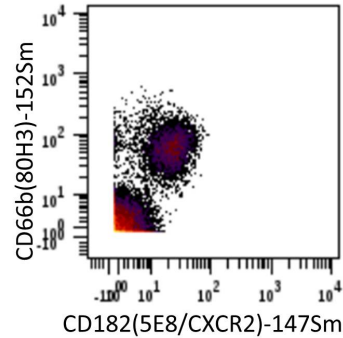
Isotype: IgG1

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<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 whole blood stained with 147Sm-anti-CD182(5E8/CXCR2) and 152Sm-anti-CD66b(80H3). Total viable cells are displayed in the analysis.

## Description

CD182, also known as CXCR2 or IL-8 receptor B (IL-8RB), is a 67-70 kDa member of the seven-transmembrane spanning G-protein coupled receptor (GPCR) family. CD182 is expressed as a homodimer, or a heterodimer with CD181 (CXCR1, IL-8RA) and is expressed on granulocytes, NK cells, a subset of T cells, mast cells, monocytes, endothelial cells, megakaryocytes and oligodendrocytes. CD182 mediates neutrophil activation and chemotaxis, megakaryocytic proliferation, and angiogenesis upon binding its ligands including IL-8(CXCL8), NAP-2(CXCL7), GCP-2(CXCL6), and GRO- $\alpha,\beta,\gamma$  (CXCL1, CXCL2, CXCL3).

## 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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