

# Anti-Human CD181-142Nd

Catalog: 3142009B

Package Size: 100 tests

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

Reactivity: Human,

Clone: 8F1/CXCR1

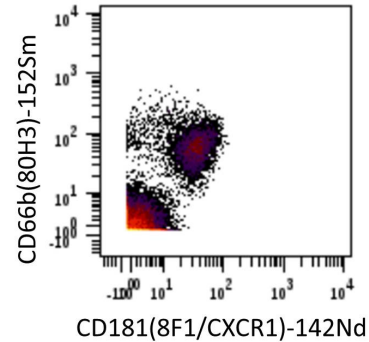
Isotype: IgG2b

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 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 142Nd-CD181(8F1/CXCR1) and 152Sm-anti-CD66b(80H3). Total viable cells are displayed in the analysis.

## Description

CD181, also known as CXCR1 or IL-8 receptor A (IL-8RA), is a 67-70 kDa member of the seven-transmembrane spanning G-protein coupled receptor (GPCR) family. CD181 is expressed as a homodimer, or a heterodimer with CD182 (CXCR2, IL-8RB) and found on granulocytes, NK cells, a subset of T cells, mast cells, monocytes, endothelial cells, megakaryocytes and oligodendrocytes. CD181 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-α(CXCL1).

## 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)

EMAIL  
 United States support.northamerica@fluidigm.com | Europe support.europe@fluidigm.com  
 Asia techsupportasia@fluidigm.com | Latin America techsupportlatam@fluidigm.com  
 All other countries techsupport@fluidigm.com

PHONE  
 United States (toll-free) +1 866 358 4354 | Europe +33 1 60 92 42 40  
 Japan +81 3 3662 2150 | China (excluding Hong Kong) +86 21 3255 8368  
 All other countries +1 650 266 6100

### For Research Use Only. Not for use in diagnostic procedures.

This product contains antibodies manufactured by and sold under license from BioLegend and licensees thereof.

Information in this publication is subject to change without notice. **Safety data sheet information** [fluidigm.com/sds](http://fluidigm.com/sds) **Patent and license information** [fluidigm.com/legalnotices](http://fluidigm.com/legalnotices) | Fluidigm, the Fluidigm logo, Cell-ID, CyTOF, and Maxpar are trademarks or registered trademarks of Fluidigm Corporation in the United States and/or other countries. All other trademarks are the sole property of their respective owners. © 2015 Fluidigm Corporation. All rights reserved. 06/2015