

Anti-Human CD231-163Dy

Catalog: 3163016B

Package Size: 100 tests

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

Reactivity: Human

Clone: SN1a (M3-3D9)

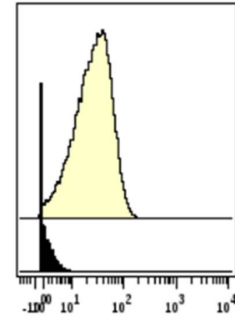
Isotype: IgG1

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 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human MOLT-4 cells (top) and human HT29 cells (bottom) stained with 163Dy-anti-CD231(SN1a M3-3D9).

Description

The monoclonal antibody M3-3D9 (SN1a) reacts specifically with the 150 kDa glycoprotein CD231. CD231 belongs to the Transmembrane 4 Superfamily (TM4SF), it is also known as T-cell Acute Lymphoblastic Leukemia Antigen (TALLA or TALLA-1). CD231 is expressed on skeletal muscle cells, brain, spleen and T-cell-type acute lymphoblastic leukemia (T-ALL) cells. CD231 plays a role in integrin-mediated migration, however, its biological function has not been fully elucidated. There is evidence that CD231 can associate with phosphoinositide 4-kinase.

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

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 **Patent and license information** 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