

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)

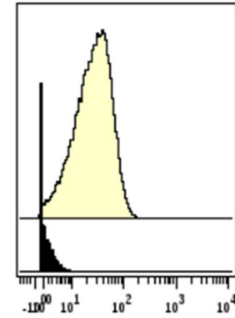
Isotype: IgG1

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.

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