

Anti-Human Mcl-1-163Dy

Catalog: 3163006A

Package Size: 50 tests

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

Reactivity: Human

Clone: Polyclonal

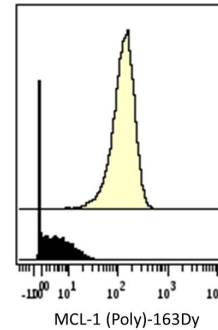
Isotype: Not Specified

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 A431 cells (top) and human PBMCs (bottom) were fixed, permeabilized, and stained with 163Dy-anti-MCL-1 (Poly).

Description

Mcl-1 (myeloid cell leukemia-1) is an anti-apoptotic member of the Bcl-2 family found in mitochondrial and non-mitochondrial membranes that dimerizes with Bax. Different from its other family members, Mcl-1 is highly regulated at both the transcriptional and post-translational level. Expression of Mcl-1 can be induced by various extracellular stimuli, including PMA, GM-CSF, M-CSF, IL-1 β , IL-3, and IL-6 in hematopoietic cells. In response to growth factor stimulation, Mcl-1 undergoes transcriptional activation downstream of a number of well-known signal transduction pathways such as MAP kinases, PI3K/Akt, and JAK/STAT.

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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