

Anti-Human CD134-150Nd

Catalog: 3150023B

Package size: 100 tests

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

Cross-reactivity: Chimpanzee

Clone: ACT35

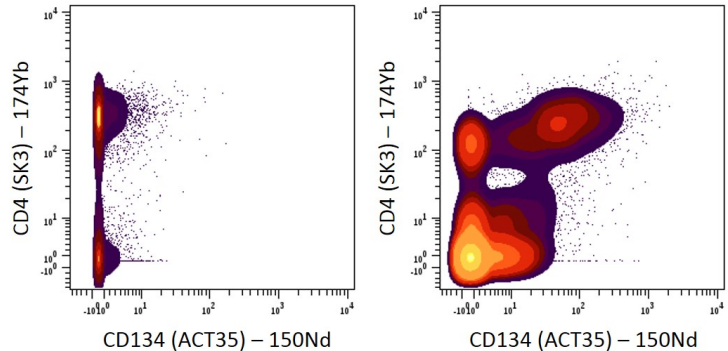
Isotype: Mouse IgG1

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 PBMCs were incubated for 3 days in media alone (left) or with PHA (right), and then cells were stained with 174Yb-anti-CD4 (SK3) and 150Nd-anti-CD134 (ACT35). Viable CD45+CD3+CD14-CD19- cells are displayed in the analysis.

Description

CD134, also known as OX40 and TNFRSF14, is a 50 kD type I transmembrane glycoprotein and a member of the TNF receptor family. OX40 is expressed on activated T lymphocytes including Th1, Th2, Th17, and Treg cells. The interaction of OX40 with OX40L results in B cell proliferation and antibody secretion, regulation of primary T cell expansion, and T cell survival. OX40 influences the size of the T cell memory pool and regulation of CD4+ T cell tolerance

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 (2009): 6,813-22.

Ornatsky, O.I. et al. "Highly multiparametric analysis by mass cytometry." *Journal of Immunological Methods* 361 (2010): 1-20.

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