Anti-Human CD137/4-1BB-173Yb

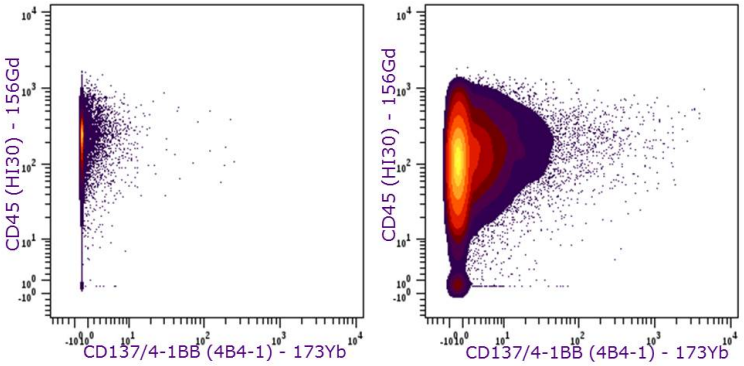
Catalog: 3173015B
Package size: 100 tests
Storage: Store product at 4 °C. Do not freeze.
Cross-reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon

Clone: 4B4-1
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 10^6 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 stained with 156Gd-anti-CD45 (HI30) and 173Yb-anti-CD137 (4B4-1). Total viable cells are displayed in the analysis.

Description

CD137, also known as 4-1BB, is a TNFR family member that is expressed on activated T cells, NK cells and a number of other activated cells of hematopoietic and non-hematopoietic origin. Its ligand, 4-1BBL, is expressed by activated dendritic cells, B cells and macrophages. This interaction leads to a co-stimulatory signal that promotes the up-regulation of anti-apoptotic molecules such as Bcl-2 and Bcl-xL. 4-1BB plays roles in promoting cell proliferation and survival of antigen-specific T cells.

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.

For technical support visit fluidigm.com/support.
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