

Anti-Human CD137/4-1BB-158Gd

Catalog: 3158013B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon

Clone: 4B4-1

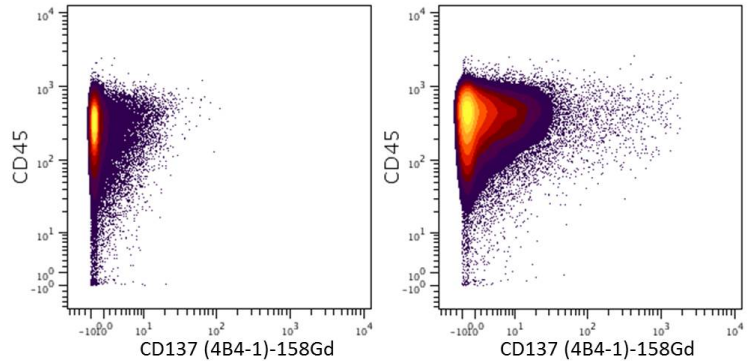
Isotype: Mouse IgG1

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 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 stained with 154Sm-anti-CD45 (HI30) and 158Gd-anti-CD137 (4B4-1).

Description

CD137, also known as 4-1BB, is a TNFR family member, 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 DCs, B cells and macrophages. This interaction leads to a co-stimulatory signal that promotes the upregulation of anti-apoptotic molecules such as Bcl2 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* 81:6813-6822, 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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