

Anti-Human IFN γ -158Gd

Catalog: 3158017B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Pigtailed Macaque, Sooty Mangabey, African Green

Clone: B27

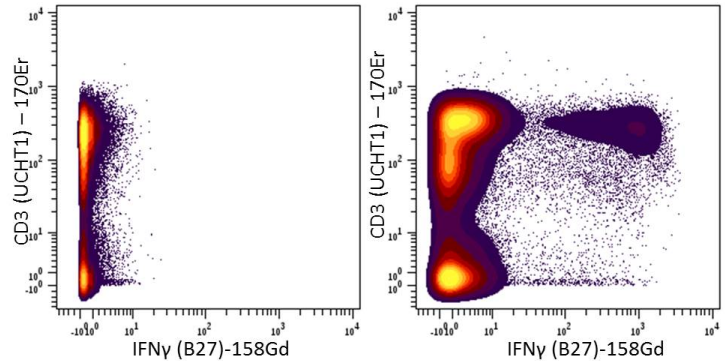
Isotype: Mouse IgG1

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 μ l for up to 3 X 10⁶ live cells in 100 μ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs were incubated for 6 hours in media alone (left) or with PMA and Ionomycin (right) in the presence of monensin and brefeldin A. Cells were then fixed, permeabilized, and stained with 170Er-anti-CD3 (UCHT1) and 158Gd-anti-IFN γ (B27).

Description

Interferon-gamma (IFN γ) is a cytokine that plays a critical role in the innate and adaptive immunity against infectious pathogens and for tumor control. Certain microbes stimulate NK cells to produce IFN γ which acts on dendritic cells and macrophages to induce IL-12 secretion. IFN γ is primarily produced by activated NK and NKT cells and by CD4 and CD8 cytotoxic T lymphocytes (CTL).

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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