

## Anti-Human IFN $\gamma$ -165Ho

**Catalog #:** 3165002B

**Package Size:** 100 tests

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

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

**Clone:** B27

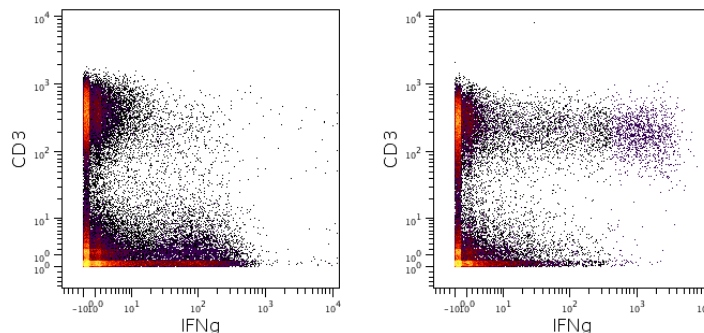
**Isotype:** Mouse IgG1

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1  $\mu$ l for up to 3 X 10<sup>6</sup> live cells in 100  $\mu$ 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 165Ho-anti-IFN $\gamma$  (B27).

### Description

Interferon-gamma (IFN $\gamma$ ) 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 $\gamma$  which acts on dendritic cells and macrophages to induce IL-12 secretion. IFN $\gamma$  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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