

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

**Catalog #:** 3165003B

**Package Size:** 100 tests

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

**Cross Reactivity:** Mouse

**Clone:** XMG1.2

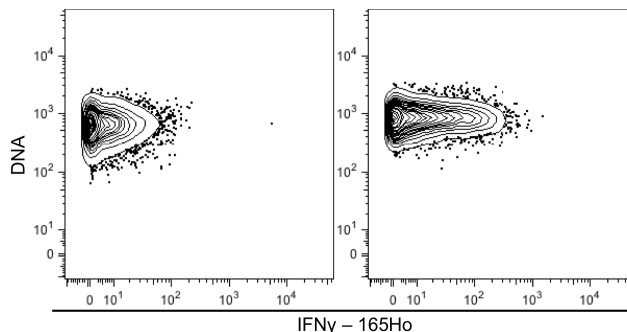
**Isotype:** Rat IgG1

**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  $3 \times 10^6$  live cells in 100  $\mu$ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



C57BL/6 mouse splenocytes 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 165Ho-anti-IFN $\gamma$  (XMG1.2).

### 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 and T 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, activated CD8 T cells, and by Th1-polarized CD4 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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