

## Anti-Mouse IFN gamma APC

**Catalog Number:** 17-7311

**Also Known As:** Interferon-gamma, IFN-g, IFNg

**For Research Use Only. Not for use in diagnostic procedures.**

### Product Information

**Contents:** Anti-Mouse IFN gamma APC


 **Catalog Number:** 17-7311

**Clone:** XMG1.2


**Concentration:** 0.2 mg/mL


**Host/Isotype:** Rat IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

 **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

### Description

The XMG1.2 antibody reacts with mouse interferon- $\gamma$ . The XMG1.2 antibody is a neutralizing antibody. Mouse IFN- $\gamma$  is a 20 kDa factor produced by activated T, B and NK cells, and is an anti-viral and anti-parasitic cytokine. IFN- $\gamma$ , in synergy with other cytokines such as TNF- $\alpha$ , inhibits proliferation of normal and transformed cells. Immunomodulatory effects of IFN- $\gamma$  are exerted on a wide range of cell types expressing the high affinity receptors for IFN- $\gamma$ . Glycosylation of IFN- $\gamma$  does not affect its biological activity.

### Applications Reported

This XMG1.2 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

### Applications Tested

The APC conjugated XMG1.2 antibody has been tested by intracellular staining and flow cytometric analysis of stimulated mouse splenocytes and can be used at less than or equal to 0.125  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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Cho KS, Hill AB. T cell acquisition of APC membrane can impact interpretation of adoptive transfer experiments using CD45 congenic mouse strains. *J Immunol Methods*. 2008 Jan 31;330(1-2):137-45. (**XMG1.2**, IC flow, PubMed)

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Hidalgo LG, Urmson J, Halloran PF. IFN-gamma decreases CTL generation by limiting IL-2 production: A feedback loop controlling effector cell production. *Am J Transplant*. 2005 Apr;5(4 Pt 1):651-61. (**XMG1.2**, NU, PubMed)

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