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PE-Cy7 Anti-Mouse IFN gamma (XMG1.2) Antibody

Catalog # ATB10258

Specification

PE-Cy7 Anti-Mouse IFN gamma (XMG1.2) Antibody - Product Information

Application	**FC**
Isotype	**Rat IgG1, kappa**
Concentration	**0.2 mg/mL**
Reactivity	**Mouse**
Formulation	**10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH7.2**
Host	**Rat**

PE-Cy7 Anti-Mouse IFN gamma (XMG1.2) Antibody - Additional Information

Gene ID	**15978**
Gene Name	**Ifng**

Alternative Name(s)
IFN-g, IFNg, Interferon-g, Immune interferon, Type II interferon, T cell interferon, Macrophage-activating factor (MAF)

Format
PE-Cy7

Preparation
This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Application Notes
This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

Storage Conditions
2-8°C protected from light

PE-Cy7 Anti-Mouse IFN gamma (XMG1.2) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

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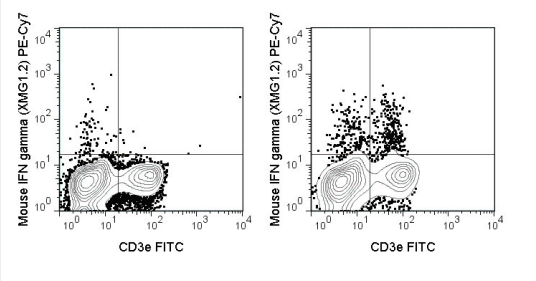
- Flow Cytomety
- Cell Culture

PE-Cy7 Anti-Mouse IFN gamma (XMG1.2) Antibody - Images



C57Bl/6 splenocytes were stimulated with PMA and Ionomycin (right panel) or unstimulated (left panel) and then stained with FITC Anti-Mouse CD3e (35-0031), followed by intracellular staining with 0.125 ug PE-Cy7 Anti-Mouse IFN gamma (ATB10258).

PE-Cy7 Anti-Mouse IFN gamma (XMG1.2) Antibody - Background

The XMG1.2 antibody is specific for mouse Interferon-gamma (IFN-g), a 20 kDa type II cytokine known for its central roles in protection against bacterial or viral pathogens and for its anti-tumor properties. IFN-g is secreted by several types of immune cells, which allow the cytokine to modulate innate immunity, when secreted by NK and NKT cells, and to function in support adaptive immunity when secreted by Th1 and CD8+ T cells (CTLs).The XMG1.2 antibody is suitable for detection of intracellular IFN-g protein, e.g. by flow cytometry, as well as for quantitative analysis of the secreted protein by ELISA, when paired with an appropriated secondary antibody. This clone is also widely used for neutralization of the functional activity of IFN-g in a variety of assays.