

violetFluor™ 450 Anti-Mouse IFN gamma (XMG1.2) Antibody
Catalog # ATB10369**Specification****violetFluor™ 450 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 NaH ₂ PO ₄ , 150 mM NaCl, 0.09% Na ₃ N, 0.1% gelatin, pH7.2

violetFluor™ 450 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

violetFluor™ 450

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. violetFluor™ 450 dye is excited by the violet (405 nm) laser and has a peak emission of 450 nm. The most common band pass filters for this dye are 440/40 or 450/50. violetFluor™ 450 can be used as an alternative for Pacific Blue®, BD Horizon™ V450 or eFluor® 450.

Storage Conditions

2-8°C protected from light

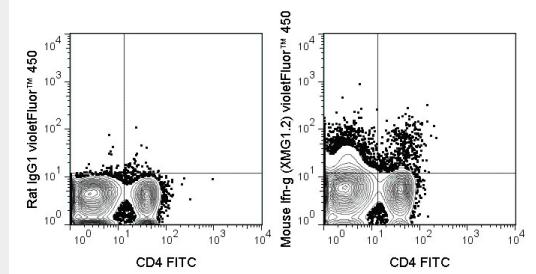
violetFluor™ 450 Anti-Mouse IFN gamma (XMG1.2) Antibody - Protocols

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

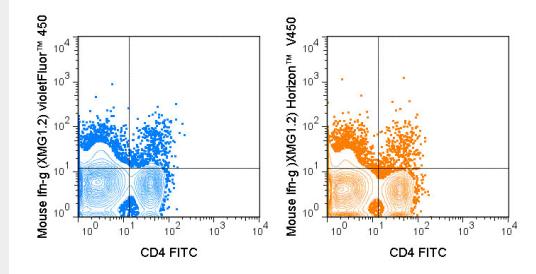
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

violetFluor™ 450 Anti-Mouse IFN gamma (XMG1.2) Antibody - Images



C57Bl/6 splenocytes were stimulated with PMA and Ionomycin and then stained with FITC Anti-Mouse CD4 (35-0042), followed by intracellular staining with 0.5 ug violetFluor™ 450 Anti-Mouse IFN gamma (ATB10369) (right panel) or 0.5 ug violetFluor™ 450 Rat Ig



C57Bl/6 splenocytes were treated with PMA and Ionomycin and stained with CD4 FITC, followed by intracellular staining with violetFluor™ 450 Anti-Mouse IFN-g (Tonbo Biosciences) (left) or Horizon™ V450 Anti-Mouse IFN-g (BD Biosciences) (right).

violetFluor™ 450 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.