Datasheet for ABIN7278575

anti-Interferon gamma antibody (violetFluor™ 450)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Interferon gamma (IFNG)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Interferon gamma antibody is conjugated to violetFluor™ 450
Application:	Flow Cytometry (FACS)

Product Details

Clone:	XMG1-2
Isotype:	IgG1 kappa
Purification:	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.

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	IFN gamma (IFNG Products)
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-

Target Details

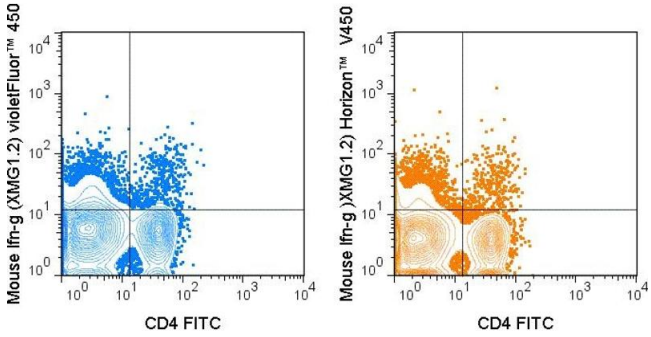
	tumor properties. IFN-g is secreted by several types of immune cells which allow the cytokine to modulate innate immunity when secreted by NK and NKT cells, and to function in support of adaptive immunity when secreted by Th1 and CD8+ T cells (CTLs).The XMG1.2 antibody is suitable for detection of intracellular IFN-g protein by flow cytometry. Other formats can be used for quantitative analysis of the secreted protein by ELISA when paired with an appropriate capture antibody. This clone has been reported for neutralization of the functional activity of IFN-g in a variety of assays (use format suitable for functional assays).
Gene ID:	15978
UniProt:	P01580
Pathways:	Interferon-gamma Pathway, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, ER-Nucleus Signaling, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus, Autophagy

Application Details

Application Notes:	This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.
Comment:	0.2 mg/mL
Restrictions:	For Research Use only

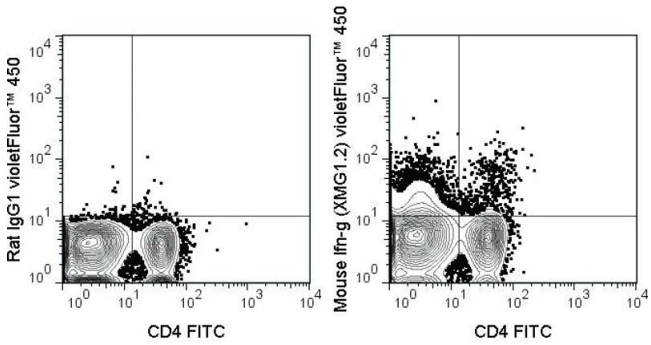
Handling

Buffer:	10 mM NaH2PO4, 150 mM NaCl, 0.09 % Sodium azide 0.1 % gelatin, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	2-8°C protected from light
Expiry Date:	12 months



Flow Cytometry

Image 1. C57Bl/6 splenocytes were treated with PMA and Ionomycin and stained with CD4 FITC, followed by intracellular staining with violetFluor450 Anti-Mouse IFN-g (antibodies-online) (left) or Horizon""c V450 Anti-Mouse IFN-g (BD Biosciences) (right).



Flow Cytometry

Image 2. C57Bl/6 splenocytes were stimulated with PMA and Ionomycin and then stained with FITC Anti-Mouse CD4 (ABIN6961823), followed by intracellular staining with 0.5 µg violetFluor450 Anti-Mouse IFN gamma (ABIN6961823) (right panel) or 0.5 µg violetFluor450 Rat IgG1 isotype control (left panel).