

Product datasheet for **SM099F**

Ifng Rat Monoclonal Antibody [Clone ID: XMG1.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	XMG1.2
Applications:	FC
Recommended Dilution:	Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; Membrane permeabilisation is required for this application.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises IFN gamma.
Formulation:	PBS containing 0.09% sodium azide and 1.0% BSA Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	interferon gamma
Database Link:	Entrez Gene 15978 Mouse P01580



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Background:

Interferon gamma is mainly produced by T lymphocytes and NK cells. It is a pleiotropic cytokine involved in the regulation of nearly all phases of immune and inflammatory responses, including the activation, growth and differentiation of T cell, B cells, macrophages, NK cells and other cell types such as endothelial cells and fibroblasts. It has weak antiviral and antiproliferative activity, and potentiates the antiviral and anti tumor effects of IFN alpha / beta (type I interferon). It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Labile at pH 2.

Synonyms:

IFN-gamma, gamma IFN