

## Monoclonal Antibody to IFNG / Interferon gamma - FITC

<b>Alternate names:</b>	IFN-gamma, gamma IFN
<b>Catalog No.:</b>	SM099F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P01580</a>
<b>NCBI:</b>	<a href="#">NP_032363.1</a>
<b>GeneID:</b>	<a href="#">15978</a>
<b>Host / Isotype:</b>	Rat / IgG1
<b>Clone:</b>	XMG1.2
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Buffer System:</b> PBS containing 0.09% sodium azide and 1.0% BSA <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises IFN gamma. <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	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. Shelf life: one year from despatch.
<b>General References:</b>	1. Cherwinski, H. et al. (1987) Two types of mouse helper T cell clone III. Further differences in lymphokine synthesis between Th1 and Th2 clones revealed by RNA hybridization, functionally monospecific bioassays and monoclonal antibodies. J. Exp. Med. 166: 1229 - 1244. 2. Holz, A. et al. (2001) Constitutive beta cell expression of IL-12 does not perturb

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self-tolerance but intensifies established autoimmune diabetes. J. Clin. Invest. 108: 1749 - 1758.

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