

Monoclonal Antibody to IFNG / Interferon gamma - FITC

Alternate names: IFN-gamma, gamma IFN

Catalog No.: SM099F
Quantity: 0.1 mg
Concentration: 0.1 mg/ml

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 poteniates 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.

Uniprot ID: P01580

NCBI: NP_032363.1

GeneID: 15978
Host / Isotype: Rat / IgG1
Clone: XMG1.2

Format: State: Liquid purified IgG

Buffer System: PBS containing 0.09% sodium azide and 1.0% BSA

Label: FITC - Fluorescein Isothiocyanate Isomer 1

Applications: Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells

in 100µl; Membrane permeablisation is required for this application.

Other applications not tested. Optimal dilutions are dependent on conditions and should

be determined by the user.

Specificity: This antibody recognises IFN gamma.

Species: Mouse.

Other species not tested.

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.

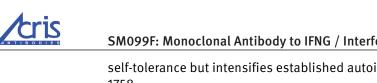
Shelf life: one year from despatch.

General References: 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



SM099F: Monoclonal Antibody to IFNG / Interferon gamma - FITC self-tolerance but intensifies established autoimmune diabetes. J. Clin. Invest. 108: 1749 -1758.