

Product datasheet for **SM1701F**

Interferon gamma (IFNG) Mouse Monoclonal Antibody [Clone ID: D9D10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	D9D10
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:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3X63-Ag-8.653 myeloma cell line.
Specificity:	This antibody recognises both natural and recombinant interferon gamma, binding only to the dimeric (functional) form.
Formulation:	PBS, pH7.2 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Ion exchange chromatography
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 3458 Human P01579



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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