

## Product datasheet for **SM099P**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	XMG1.2
Applications:	ELISA, FC
Recommended Dilution:	<b>ELISA:</b> 1-10 µg/ml. <b>Flow Cytometry:</b> Use 10 µl of 1/10-1/50 diluted antibody to label 1x10 <sup>6</sup> cells in 100 µl (Membrane permeabilisation is required).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises IFN gamma. This reagent may be used for the detection of intracellular IFN gamma using flow cytometric techniques.
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	interferon gamma
Database Link:	<a href="#">Entrez Gene 15978 Mouse P01580</a>



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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