

Product datasheet for **SM098PS**

Ifng Mouse Monoclonal Antibody [Clone ID: DB1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DB1
Applications:	ELISA, IHC
Recommended Dilution:	ELISA: 10µg/ml - 100µg/ml. Immunohistochemistry on frozen sections.
Reactivity:	Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant rat IFN gamma.
Specificity:	This antibody reacts with IFN-gamma. Clone DB-1 exhibits high affinity binding to the natural and recombinant forms and effectively neutralises the anti viral activity of IFN-gamma. It also blocks the induction of Ia antigen expression on murine keratinocytes. There is no cross-reaction with rodent IFN-alpha or IFN-beta or with human interferons. Clone DB-1 has also been reported for use in neutralising studies. MCA1301XZ is recommended for this purpose.
Formulation:	PBS containing 125mM trehalose and 0.09% Sodium Azide State: Purified State: Liquid purified IgG
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:	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