Datasheet: MCA1301

BATCH NUMBER 164840

Description:	MOUSE ANTI RAT INTERFERON GAMMA
Specificity:	IFN GAMMA
Other names:	INTERFERON GAMMA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	DB-1
Isotype:	IgG1
Quantity:	0.25 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			10ug/ml - 100ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Rat

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture

	supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant rat IFN gamma.
External Database Links	**UniProt:** P01581 Related reagents **Entrez Gene:** 25712 Ifng Related reagents
RRID	AB_322174
Specificity	**Mouse anti Rat Interferon gamma antibody, clone DB-1** reacts with both mouse and rat Interferon gamma. Clone DB-1 exhibits high affinity binding to the natural and recombinant forms and effectively neutralizes the anti viral activity of IFN-gamma. It also blocks the induction of Ia antigen expression on murine keratinocytes. Mouse anti Rat Interferon gamma antibody, clone DB-1 does not cross-react with rodent IFN-alpha or IFN-beta or with human interferons. Mouse anti Rat Interferon gamma antibody, clone DB-1 has also been reported to neutralize rat gamma interferon.
References	1. van der Meide, P.H. *et al.* (1986) The purification and characterization of rat gamma interferon by use of two monoclonal antibodies. J Gen Virol. 67 (Pt 6): 1059-71. 2. Keller, R. *et al.* (1987) Induction, maintenance, and reinduction of tumoricidal activity in bone marrow-derived mononuclear phagocytes by *Corynebacterium parvum*. Evidence for the involvement of a T cell- and interferon-gamma-independent pathway of macrophage activation. J Immunol. 138 (7): 2366-71. 3. Kingston, A.E. *et al.* (1989) Schwann cells co-cultured with stimulated T cells and antigen express major histocompatibility complex (MHC) class II determinants without interferon-gamma pretreatment: synergistic effects of interferon-gamma and tumor necrosis factor on MHC class II induction. Eur J Immunol. 19 (1): 177-83. 4. Jacob, C.O. *et al.* (1989) Heterogeneous effects of IFN-gamma in adjuvant arthritis. J Immunol. 142 (5): 1500-5. 5. Paineau, J. *et al*.. (1989) Effects of gamma interferon and interleukin-2, and of gamma-interferon antibodies, on the rat immune response against allografts. Transplant Proc. 21: 999-1001. 6. Paineau, J. *et al.* (1991) Effect of recombinant interferon gamma and interleukin-2 and of a monoclonal antibody against interferon gamma on the rat immune response against

heart allografts. J Heart Lung Transplant. 10 (3): 424-30.
7. Straube, F. and Herrmann, T. (2001) Differential modulation of CD8beta by rat gammadelta and alphabeta T cells after activation. Immunology. 104: 252-8.
8. Graf, M.R. *et al.* (2001) IL-6 secretion by a rat T9 glioma clone induces a neutrophil-dependent antitumor response with resultant cellular, antiglioma immunity. J Immunol. 166 (1): 121-9.
9. Elflein, K. *et al.* (2003) Rapid recovery from T lymphopenia by CD28 superagonist therapy. Blood. 102: 1764-70.

Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1301 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA1209)

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Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com