



Category: Monoclonal Antibodies **Cat. #** mab-SF-C043 **Product Name:** mouse IFN γ

Description:

Monoclonal rat anti-mouse Interferon gamma (**IFN γ**). Mouse IFN - γ is a 20 kDa factor produced by activated T, B and NK cells, and is an anti - viral and anti - parasitic cytokine. IFN - γ , in synergy with other cytokines such as TNF - alpha, inhibits proliferation of normal and transformed cells. Immunomodulatory effects of IFN - γ are exerted on a wide range of cell types expressing the high affinity receptors for IFN - γ . Glycosylation of IFN - γ does not affect its biological activity.

Immunogen:

Mouse IFN- γ Recombinant Protein

Application:

Flow cytometry, IHC

Species Reactivity:

Mouse. Others not tested.

Presentation:

50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

Aliquoting Instructions:

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Specificity:

The XMG1.2 monoclonal antibody specifically binds to mouse interferon- γ (IFN- γ) protein. The XMG1.2 antibody is a neutralizing antibody. IFN- γ is a pleiotropic cytokine, of approximately 15-17 kDa, involved in the regulation of inflammatory and immune responses. It plays an important role in activation, growth, and differentiation of T and B lymphocytes, macrophages, NK cells and other non-hematopoietic cell types. IFN- γ production is associated with the Th1 cell differentiation. The purified form of this antibody has been reported to be a neutralizing antibody.

Storage:

Store at 2~8°C for short term, freeze under -20°C for long term storage.

Size: 0.2 mg

Clone: XMG1.2

Isotype: IgG1

Host: Rat

Form: Purified

Concentration: 0.5 mg/ml

Units on Hand: YES

References:

1. Thiel, D. J., et al., Structure 8 (9): 927-936, 2000.
2. Gray, P. W. and Goeddel, D.V., Nature 298 (5877): 859-863, 1982.
3. Naylor, S. L., et al., J. Exp. Med. 157 (3): 1020-1027, 1983.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com