

Mouse Monoclonal Antibody to IFN-gamma

Catalogue Number	sAP-0133
Target Molecule	Name: IFN-gamma Aliases: IFG; IFI; IFNG MW: N/A Entrez Gene ID: 3458
Description	IFN-gamma (interferon, gamma) is an antiviral and antiparasitic agent produced by CD4+/CD8+ lymphocytes and natural killer cells that undergo activation by antigens, mitogens or alloantigens. 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. The active form of IFN-G is a homodimer with each subunit containing six helices. The dimeric structure of human IFN-G is stabilized by non-covalent interactions through the interface of the helices. IFN-G translated precursor is 166 amino acids, including the 23 amino acid secretory sequence. It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Multiple
Immunogen	Recombinant human IFN-gamma (BioSource company, Cat.No. PHC4033)
Recitative Species	Human
Clone	MM1B1A4;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Dean GA. LaVoy A. Burkhard MJ. Vet Immunol Immunopathol. 2004,Jul, 100(1-2):49-59. ; 2. Arens R. Schepers K. Nolte MA. et al. J Exp Med. 2004,Jun 7, 199(11):1595-605. ; 3. Podhorecka M. Dmoszynska A. Rolinski J. Eur J Haematol. 2004,Jul, 73(1):29-35. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**