

IFNG

Mouse Anti-Human IFN-gamma Clone 4S.B3 Biotin mAb

Catalog No.	CSI12355 CSI12356	Quantity: 50 µg 0.5 mg
Alternate Names:	Interferon- γ , Immune interferon, Type II interferon, T cell interferon, Macrophage-activating factor (MAF), IFN-g, IFN-gamma	
Description:	Interferon- γ is a potent multifunctional cytokine which is secreted primarily by activated NK cells and T cells. Originally characterized based on anti-viral activities, IFN- γ also exerts anti-proliferative, immunoregulatory, and proinflammatory activities. IFN- γ can upregulate MHC class I and II antigen expression by antigen-presenting cells.	
Concentration:	0.5 mg/ml	
Gene ID:	3458	
Structure:	Cytokine; dimer; 20-25 kD (Mammalian).	
Regulation:	Upregulated by IL-2, FGF-basic, EGF; downregulated by vitamin D3 or DMN; labile at pH2.	
Host:	Mouse	
Immunogen:	Partially purified, native human IFN- γ	
Isotype:	Mouse IgG1, κ	
Clone:	4S.B3	
Bioactivity:	Antiviral/antiparasitic activities; inhibits proliferation; enhances MHC class I and II expression on APC.	
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.	
Purification:	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.	
Receptors:	N- γ R α (CDw119) dimerized with IFN- γ R β (AF-1)	
Reactivity:	Human, Cross-Reactivity: Chimpanzee, Baboon, Cynomolgus, Rhesus	
Applications:	ELISA Detection, ELISPOT Detection, ICFC	
Recommended Usage:	Each lot of this antibody is quality control tested by ELISA analysis. For ELISA detection applications, a concentration range of 0.5-2.0 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IFN- γ recombinant protein ranging from 1000 to 8 pg/ml	

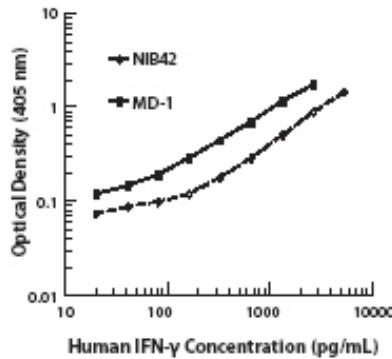


are recommended for each ELISA plate. For use as an ELISPOT detection antibody, a concentration range of 1-4 μ g/ml is recommended. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 μ g per 10^6 cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.

Storage & Stability: The antibody solution should be stored undiluted at 4 °C. **Do not freeze.**

Cellular Sources: CD8+ and CD4+ T cells, NK cells

Cellular Targets: T cells, B cells, macrophages, NK cells, endothelial cells, fibroblasts.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com