

IFNG

Mouse Anti-Human IFN-gamma Clone B27 LE/NA mAb

Catalog No.	CSI12372 CSI12373	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. The B27 antibody reacts with the human interferon-γ. The B27 antibody can neutralize the bioactivity of natural or recombinant IFN-γ.		
Concentration:	1.0 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:	<i>E. coli</i> -expressed recombinant human IFN-γ		
Isotype:	Mouse IgG1, κ		
Clone:	B27		
Bioactivity:	Antiviral/antiparasitic activities; inhibits proliferation; enhances MHC class I and II expression on APC		
Formulation:	Phosphate-buffered solution, pH 7.2, containing no preservative. 0.2 µm filter sterilized. Endotoxin level is < 0.1 EU/µg of the protein (< 0.01 ng/µg of the protein) as determined by the LAL test.		
Purification:	The LE/NA (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography.		
Receptors:	IFN-γRα (CDw119) dimerized with IFN-γRβ (AF-1)		
Reactivity:	Human, Cross-Reactivity: Chimpanzee, Baboon, Cynomolgus, Rhesus, Pigtailed Macaque, African Green, Sooty Mangabey		
Applications:	ICFC, IHC, IP, Neut, WB		
Recommended Usage:	Each lot of this antibody is quality control tested by ELISA assay. For ELISPOT capture applications, a concentration range of 0.5-2 µg/ml is recommended. For ELISA capture applications, a concentration range of 1-4 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. 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. This LE/NA solution contains no preservative; handle under aseptic conditions.

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.

