

## IFNG

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

<b>Catalog No.</b>	CSI12372 CSI12373	<b>Quantity:</b>	50 µg 0.5 mg
<b>Alternate Names:</b>	Interferon-γ, Immune interferon, Type II interferon, T cell interferon, Macrophage-activating factor (MAF), IFN-g, IFN-gamma		
<b>Description:</b>	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.		
<b>Concentration:</b>	1.0 mg/ml		
<b>Gene ID:</b>	3458		
<b>Structure:</b>	Cytokine; dimer; 20-25 kD (Mammalian)		
<b>Regulation:</b>	Upregulated by IL-2, FGF-basic, EGF; downregulated by vitamin D3 or DMN; labile at pH2.		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	<i>E. coli</i> -expressed recombinant human IFN-γ		
<b>Isotype:</b>	Mouse IgG1, κ		
<b>Clone:</b>	B27		
<b>Bioactivity:</b>	Antiviral/antiparasitic activities; inhibits proliferation; enhances MHC class I and II expression on APC		
<b>Formulation:</b>	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.		
<b>Purification:</b>	The LE/NA (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography.		
<b>Receptors:</b>	IFN-γRα (CDw119) dimerized with IFN-γRβ (AF-1)		
<b>Reactivity:</b>	Human, <b>Cross-Reactivity:</b> Chimpanzee, Baboon, Cynomolgus, Rhesus, Pigtailed Macaque, African Green, Sooty Mangabey		
<b>Applications:</b>	ICFC, IHC, IP, Neut, WB		
<b>Recommended Usage:</b>	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- $\gamma$  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.**



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