

IFNG

Rat Anti-Mouse IFN-gamma Clone R4-6A2 Biotin mAb

Catalog No.	CSI12360 CSI12361	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 R4-6A2 antibody reacts with mouse interferon-gamma (IFN-γ). The R4-6A2 antibody can neutralize the bioactivity of natural or recombinant IFN-γ.		
Concentration:	0.5 mg/ml		
Gene ID:	15978		
Structure:	Cytokine; dimer; 40-80 kD (Mammalian).		
Regulation:	Upregulated by IL-2, FGF-basic, EGF; downregulated by 1-α-25-Dihydroxy vitamin D3, dexamethasone.		
Host:	Rat		
Immunogen:	Partially-purified, native mouse IFN-γ		
Isotype:	Rat IgG1, κ		
Clone:	R4-6A2		
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:	IFN-γRα (CDw119) dimerized with IFN-γRβ (AF-1)		
Reactivity:	Mouse		
Applications:	ELISA Detection, ELISPOT Detection		
Recommended Usage:			



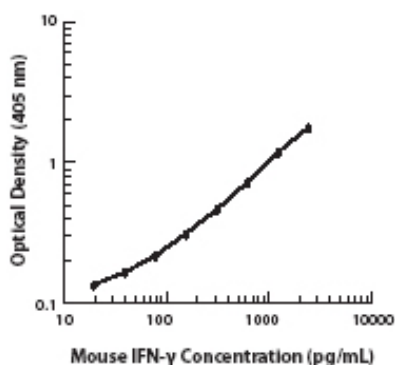
Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.5-2.0 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IFN-γ recombinant protein ranging from 2000 to 15 pg/ml are recommended for each ELISA plate.

For use as an ELISPOT detection antibody, a concentration range of 1-4 µg/ml is recommended. 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.



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