

## IFNG

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

<b>Catalog No.</b>	CSI12360 CSI12361	<b>Quantity:</b>	50 µg 0.5 mg
<b>Alternate Names:</b>	Interferon- $\gamma$ , Immune interferon, Type II interferon, T cell interferon, Macrophage-activating factor (MAF), IFN-g, IFN-gamma		
<b>Description:</b>	Interferon- $\gamma$ is a potent multifunctional cytokine which is secreted primarily by activated NK cells and T cells. Originally characterized based on anti-viral activities, IFN- $\gamma$ also exerts anti-proliferative, immunoregulatory, and proinflammatory activities. IFN- $\gamma$ can upregulate MHC class I and II antigen expression by antigen-presenting cells. The R4-6A2 antibody reacts with mouse interferon-gamma (IFN- $\gamma$ ). The R4-6A2 antibody can neutralize the bioactivity of natural or recombinant IFN- $\gamma$ .		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	15978		
<b>Structure:</b>	Cytokine; dimer; 40-80 kD (Mammalian).		
<b>Regulation:</b>	Upregulated by IL-2, FGF-basic, EGF; downregulated by 1- $\alpha$ -25-Dihydroxy vitamin D3, dexamethasone.		
<b>Host:</b>	Rat		
<b>Immunogen:</b>	Partially-purified, native mouse IFN- $\gamma$		
<b>Isotype:</b>	Rat IgG1, $\kappa$		
<b>Clone:</b>	R4-6A2		
<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 0.09% sodium azide. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.		
<b>Receptors:</b>	IFN- $\gamma$ R $\alpha$ (CDw119) dimerized with IFN- $\gamma$ R $\beta$ (AF-1)		
<b>Reactivity:</b>	Mouse		
<b>Applications:</b>	ELISA Detection, ELISPOT Detection		
<b>Recommended Usage:</b>			



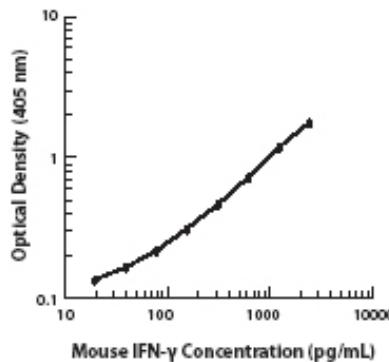
Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.5-2.0 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IFN- $\gamma$  recombinant protein ranging from 2000 to 15 pg/ml are recommended for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



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



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