IFNG
Rat Anti-Mouse IFN-gamma Clone XMG1.2 mAb

Catalog No.	CSI12364 CSI12365	**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 XMG1.2 antibody reacts with mouse interferon-γ (IFN-γ). The XMG1.2 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: gulated by IL-2, FGF-basic, EGF; downregulated by 1-α-25-Dihydroxy vitamin D3, dexamethasone.

Host: Rat

Immunogen: *E. coli* -expressed, recombinant mouse IFN-γ

Isotype: Rat IgG1, κ

Clone: XMG1.2

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.

Receptors: IFN-γRα (CDw119) dimerized with IFN-γRβ (AF-1)

Reactivity: Mouse

Applications: ELISA Capture, IHC, WB

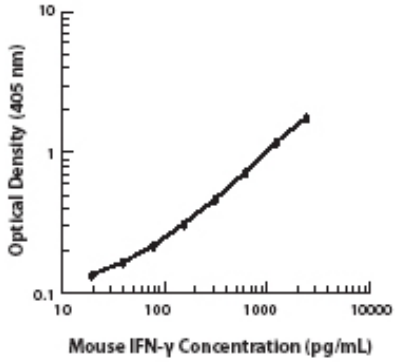
Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 0.5-2.0 µg/ml is recommended. To obtain a linear

standard curve, serial dilutions of IFN-γ recombinant protein ranging from 2000 to 15 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.

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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