IFNG
Mouse Anti-Human IFN-gamma Clone 4S.B3 mAb

Catalog No.	CSI12353 CSI12354	**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.

Concentration: 0.5 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: Partially purified, native human IFN-γ

Isotype: Mouse IgG1, κ

Clone: 4S.B3

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: Human, **Cross-Reactivity:** Chimpanzee, Baboon, Cynomolgus, Rhesus

Applications: ICFC, WB

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA Capture applications, the antibody should be titrated between 0.25-2 µg/ml to determine optimal condition. It is recommended that the reagent be titrated for optimal performance for each application.

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

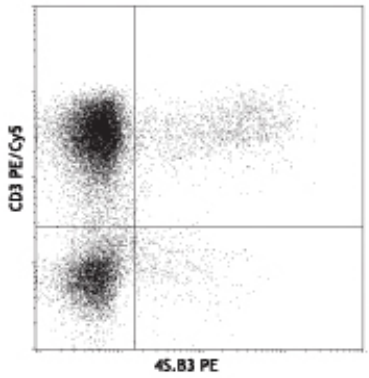
E-mail: info@cellsciences.com
Website: www.cellsciences.com

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.

PMA/Ionomycin-stimulated human PBMCs were stained with CD3 PE/Cy5 and 4S.B3 PE



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Website: www.cellsciences.com