

# IFN gamma Monoclonal Antibody (4S.B3), Alexa Fluor™ 660, eBioscience™

## Product Details

|                             |   |
|-----------------------------|---|
| Size                        | 100 Tests   |
| Species Reactivity          | Human   |
| Host/Isotype                | Mouse / IgG1, kappa   |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor™ 660, eBioscience™ |
| Class                       | Monoclonal  |
| Type                        | Antibody  |
| Clone                       | 4S.B3   |
| Conjugate                   | Alexa Fluor™ 660  |
| Excitation/Emission Max     | 663/691 nm  |
| Form                        | Liquid  |
| Concentration               | 5 µL/Test   |
| Purification                | Affinity chromatography   |
| Storage buffer              | PBS, pH 7.2, with 0.2% BSA  |
| Contains                    | 0.09% sodium azide  |
| Storage conditions          | 4° C, store in dark, DO NOT FREEZE!   |
| RRID                        | AB_2896302  |

## Applications

## Tested Dilution

## Publications

Flow Cytometry (Flow)

5 µL (0.015 µg)/test

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## Product Specific Information

**Description:** The 4S.B3 monoclonal antibody reacts with interferon-gamma (IFN gamma). Human IFN gamma is a 17 kDa factor produced by activated T and NK cells and is an anti-viral and anti-parasitic cytokine. IFN gamma in synergy with other cytokines, such as TNF alpha, inhibits proliferation of normal and transformed cells. Immunomodulatory effects of IFN gamma are exerted on a wide range of cell types expressing the high affinity receptors for IFN gamma. Glycosylation of IFN gamma does not affect its biological activity.

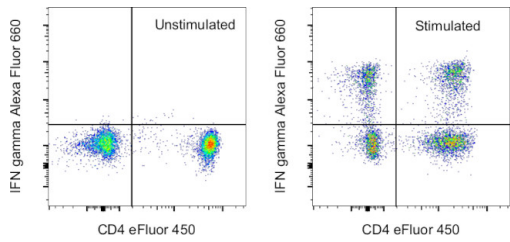
**Applications Reported:** This 4S.B3 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

**Applications Tested:** This 4S.B3 antibody has been pre-diluted and tested by intracellular staining followed by flow cytometric analysis of stimulated normal human peripheral blood cells using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol. Please refer to "Staining Intracellular Antigens for Flow Cytometry, Protocol A: Two step protocol for intracellular (cytoplasmic) proteins" located at Flow Protocols . This may be used at 5 µL (0.015 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Alexa Fluor 660 emits at 690 nm and is intended for use on spectral cytometers where it may be multiplexed with APC, Alexa Fluor 647 and Alexa Fluor 700.

Excitation: 662 nm; Emission: 690 nm; Laser: Red Laser.

Product Images For IFN gamma Monoclonal Antibody (4S.B3), Alexa Fluor™ 660, eBioscience™



IFN gamma Antibody (606-7319-42) in Flow

Normal human peripheral blood cells were unstimulated (left) or stimulated for 4 hours with the Cell Stimulation Cocktail (plus protein transport inhibitors) (Product # 00-4975-93) (right). Cells were surface-stained with CD4 Monoclonal Antibody, eFluor 450 (Product # 48-0049-42) and then stained intracellularly, using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol, with IFN gamma Monoclonal Antibody, Alexa Fluor 660. Viable cells in the lymphocyte gate were used for analysis, as determined by Fixable Viability Dye eFluor 780 (Product # 65-0865-18). This data was collected on a 5-laser Cytex Aurora full spectral cytometer.

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