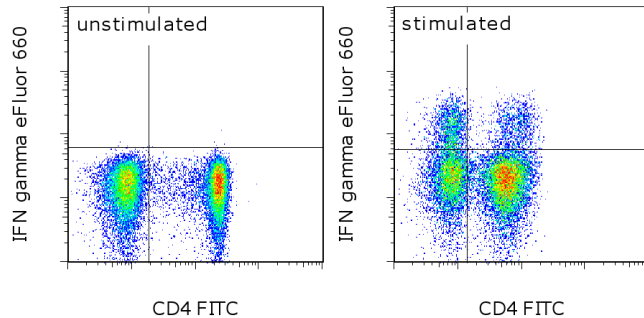


Anti-Human IFN gamma eFluor® 660 (Alexa® 647 Replacement)

Catalog Number: 50-7319

Also known as: Interferon gamma

RUO: For Research Use Only. Not for use in diagnostic procedures.



Normal human peripheral blood cells were stimulated with the Cell Stimulation Cocktail (plus protein transport inhibitors) (cat. 00-4975) for 5 hours then intracellularly stained with Anti-Human CD4 FITC (cat. 11-0049) and Mouse IgG1 K Isotype Control eFluor® 660 (cat. 50-4714) (left) or Anti-Human IFN gamma eFluor® 660 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human IFN gamma eFluor® 660 (Alexa® 647 Replacement)

REF **Catalog Number:** 50-7319

Clone: 4S.B3

Concentration: 5 µL (0.06 µg)/test

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



Description

The 4S.B3 monoclonal antibody reacts with interferon-gamma (IFN gamma). The 4S.B3 antibody is a neutralizing antibody. 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 flow cytometric analysis, and intracellular staining followed by flow cytometric analysis.

Applications Tested

This 4S.B3 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 µL (0.06 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 10⁵ to 10⁸ cells/test.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

Meager A, Parti S, Barwick S, Spragg J, O'Hagan K. Detection of hybridomas secreting monoclonal antibodies to human gamma interferon using a rapid screening technique and specificity of certain monoclonal antibodies to gamma interferon. *J Interferon Res.* 1984 Fall;4(4):619-25.

Related Products

00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)

50-4714 Mouse IgG1 K Isotype Control eFluor® 660 (P3.6.2.8.1)

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88-8823 Fixation & Permeabilization Buffers

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