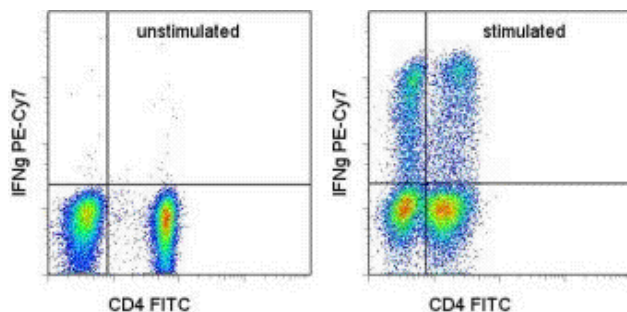


Anti-Human IFN gamma PE-Cyanine7

Catalog Number: 25-7319

Also Known As: Interferon gamma

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



Intracellular staining of 5-hour unstimulated (left) or PMA/Ionomycin-stimulated (with Brefeldin A) (right) normal human peripheral blood cells with Anti-Human CD4 FITC (cat. 11-0049) and Anti-Human IFN gamma PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human IFN gamma PE-Cyanine7

REF **Catalog Number:** 25-7319

Clone: 4S.B3

Concentration: ug size: 0.2 mg/mL; test size: 5 uL (0.125 ug)/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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



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

The 4S.B3 antibody has been reported for use in intracellular flow cytometric analysis.

Applications Tested

This 4S.B3 antibody is offered in 2 formats:

- μ g size: has been tested by intracellular flow cytometric analysis. This can be used at less than or equal to 0.125 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated and tested by intracellular flow cytometric analysis. This can be used at 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

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

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

11-0049 Anti-Human CD4 FITC (RPA-T4)

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

88-8823 Intracellular Fixation & Permeabilization Buffer (plus Brefeldin A) (previously named IC Fixation & Permeabilization Buffer)

Legal

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