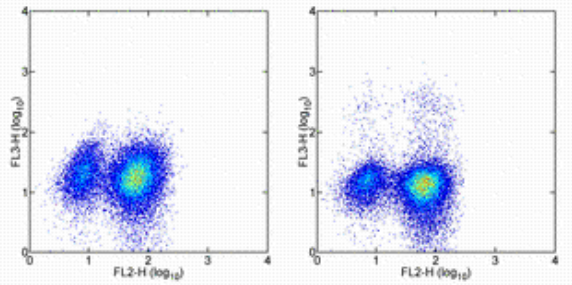
Anti-Human IL-4 PE-Cyanine7

Catalog Number: 25-7049
Also Known As: Interleukin-4
RUO: For Research Use Only. Not for use in diagnostic procedures.



Surface staining of normal human peripheral blood cells stimulated with PMA/Ionomycin in the presence of Brefeldin A with Anti-Human CD4 FITC (cat. 11-0048), followed by intracellular staining with Mouse IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4714) (left) or Anti-Human IL-4 PE-Cyanine7 (right).

Product Information

Contents: Anti-Human IL-4 PE-Cyanine7
REF **Catalog Number:** 25-7049
Clone: 8D4-8
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.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Contains sodium azide

Description

The 8D4-8 antibody reacts with human interleukin-4 (IL-4), a 15-19 kDa cytokine secreted by Th2 cells.

Applications Reported

The 8D4-8 antibody has been reported for use as a capture antibody for human IL-4 ELISA and for intracellular staining for flow cytometric analysis.

Applications Tested

This 8D4-8 antibody is offered in 2 formats:

- µg size: has been tested by intracellular flow cytometric analysis of stimulated normal human perippheral blood cells. This can be used at less than or equal to 0.25 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 10^5 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 of stimulated normal human perippheral blood cells. This can be used at 5 µL (0.125 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 10^5 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

Bird, C., et al. 1991. Development of immunoassays for human interleukin-3 and interleukin-4, some of which discriminate between different recombinant cDNA-derived molecules. Cytokine. 3: 562-567.

Related Products

11-0048 Anti-Human CD4 FITC (OKT4 (OKT-4))
14-8049 Human IL-4 Recombinant Protein

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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