

Anti-Mouse IL-4 PE-Cyanine7

Catalog Number: 25-7042

Also Known As: Interleukin-4

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

Product Information

Contents: Anti-Mouse IL-4 PE-Cyanine7

 **Catalog Number:** 25-7042

Clone: BVD6-24G2

Concentration: ug size: 0.2 mg/mL; test size: 5 uL (0.5 ug)/test

Host/Isotype: Rat 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 BVD6-24G2 antibody reacts with mouse interleukin-4 (IL-4), a 14 kDa cytokine secreted by Th2 cells.

Applications Reported

This BVD6-24G2 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This BVD6-24G2 antibody is offered in 2 formats:

- μ g size: has been tested intracellular staining and flow cytometric analysis of restimulated mouse splenocyte cultures. This can be used at less than or equal to 1 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 intracellular staining and flow cytometric analysis of restimulated mouse splenocyte cultures. This can be used at 5 μ L (0.5 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

Sander B, Höiden I, Andersson U, Möller E, Abrams JS. Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. Cytokine detection by immunoassay and intracellular immunostaining. J Immunol Methods. 1993 Dec 3;166(2):201-14.

Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. Immunol Rev. 1992 Jun;127:5-24.

Related Products

12-0041 Anti-Mouse CD4 PE (GK1.5)

16-0031 Anti-Mouse CD3e Functional Grade Purified (145-2C11)

16-0281 Anti-Mouse CD28 Functional Grade Purified (37.51)

25-4301 Rat IgG1 K Isotype Control PE-Cyanine7

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

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