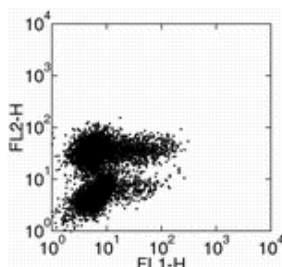


## Anti-Mouse IL-4 FITC

**Catalog Number:** 11-7042

**Also Known As:** Interleukin-4

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



Mouse splenocytes were stimulated with ConA for 2 days, followed by Mouse IL-2 Recombinant Protein (cat. 14-8021) and Mouse IL-4 Recombinant Protein (cat. 14-8041) for 3 days, and re-stimulated with immobilized Anti-Mouse CD3 Functional Grade Purified (cat. 16-0032) and soluble Anti-Mouse CD28 Functional Grade Purified (cat. 16-0281) in the presence of Brefeldin A (cat. 00-4506) for 5 hours. Cells were surface stained with Anti-Mouse CD4 PE (cat. 12-0041) and intracellularly stained with Anti-Mouse IL-4 FITC.

### Product Information

**Contents:** Anti-Mouse IL-4 FITC

**REF** **Catalog Number:** 11-7042

**Clone:** BVD6-24G2

**Concentration:** ug size: 0.5 mg/mL; test size: Suffix -41, 5 uL (0.25 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.

**LOT** **Batch Code:** Refer to Vial

**Use By:** Refer to Vial

**Caution, contains Azide**

### Description

The BVD6-24G2 antibody reacts with mouse interleukin-4 (IL-4), a 14 kDa cytokine secreted by Th2 cells.

### Applications Reported

BVD6-24G2 has been reported for use in intracellular flow cytometric analysis.

### Applications Tested

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

-  $\mu$ g size: has been tested by intracellular staining and flow cytometric analysis of restimulated mouse splenocyte cultures. This can be used at less than or equal to 0.5  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ 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 staining and flow cytometric analysis of restimulated mouse splenocyte cultures. Refer to catalog number suffix on the vial for amount to use per test: -41 is 5  $\mu$ L (0.25  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Sander B, Höidén 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

00-4506 Brefeldin A Solution (1000X)

11-4301 Rat IgG1 K Isotype Control FITC

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

14-8021 Mouse IL-2 Recombinant Protein

14-8041 Mouse IL-4 Recombinant Protein

16-0032 Anti-Mouse CD3 Functional Grade Purified (17A2)

16-0281 Anti-Mouse CD28 Functional Grade Purified (37.51)  
24-5093 Anti-Mouse IgD antiserum (Polyclonal)

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