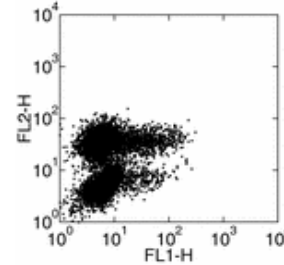


## Product Information

Contents: Biotin anti-mouse interleukin-4 (IL-4)  
Catalog Number: 13-7042  
Sizes: 50 ug, 500 ug  
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>  
Storage Conditions: Store at 4°C.  
DO NOT FREEZE.  
Clone: BVD6-24G2  
Isotype: Rat IgG1, κ



*Mouse splenocytes were stimulated with ConA for 2 days, followed by IL-2 and IL-4 for 3 days, and restimulated with immobilized anti-CD3 and soluble anti-CD28 in the presence of Brefeldin A for 5 hours. The cells were surface stained with PE anti-mouse CD4 (GK1.5) and intracellularly stained with FITC anti-mouse IL-4 (BVD6-24G2).*

### Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-7042	FITC anti-mouse IL-4 (Interleukin-4)	488	518	IC
13-7042	Biotin anti-mouse IL-4 (Interleukin-4)	N/A	N/A	ELISA det ELISPOT
14-7042	Affinity Purified anti-mouse IL-4 (Interleukin-4)	N/A	N/A	IC
25-7042	Phycoerythrin-Cy7 (PE-Cy7) anti-mouse IL-4 (Interleukin-4)	488	760	IC

### Description

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

### Usage

For research use only, not for diagnostic or therapeutic use. The BVD6-24G2 antibody is used for detection of mouse IL-4 by ELISA.

### Applications Tested

The BVD6-24G2 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of mouse Interleukin-4 (IL-4) in combination with the purified 11B11 (14-7041) antibody for capture and recombinant mouse IL-4 (14-8041) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5-2 µg/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 500 pg/ml - 4 pg/ml should be included in each ELISA plate.

### Related Products

Cat. 00-0000 eBioscience 10X ELISA Coating Buffer  
Cat. 44-2404 Nunc MaxiSorp™ flat-bottom 96 well plate  
Cat. 18-4100 Avidin Horse Radish Peroxidase (AV-HRP)  
Cat. 00-4202 eBioscience ELISA Diluent Solution, 5X  
Cat. 00-4203 Super AquaBlue ELISA Substrate  
Cat. 24-5093 Polyclonal anti-mouse IgD antiserum (activating) (clone Polyclonal)  
Cat. 14-7041 Affinity Purified anti-mouse IL-4 (Interleukin-4) (clone 11B11)  
Cat. 14-8041 Recombinant Mouse IL-4 (Interleukin-4)

### References

Abrams, J. S., M. G. Roncarolo, et al. (1992). "Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples." Immunol Rev 127: 5-24.

Sander, B., I. Hoiden, et al. (1993). "Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. Cytokine detection by immunoassay and intracellular immunostaining." J Immunol Methods 166(2): 201-14.

Copyright © 2000-2005 eBioscience, Inc.  
Product For Research Use Only: Not for further distribution without written consent.

