

# IL-4 Monoclonal Antibody (BVD6-24G2), FITC, eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	BVD6-24G2
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Immunogen	E.coli expressed mouse IL-4 (gluteraldehyde XL)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465388

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	18 Publications
ELISA (ELISA)	-	1 Publication
Functional Assay (FN)	-	1 Publication

## Product Specific Information

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

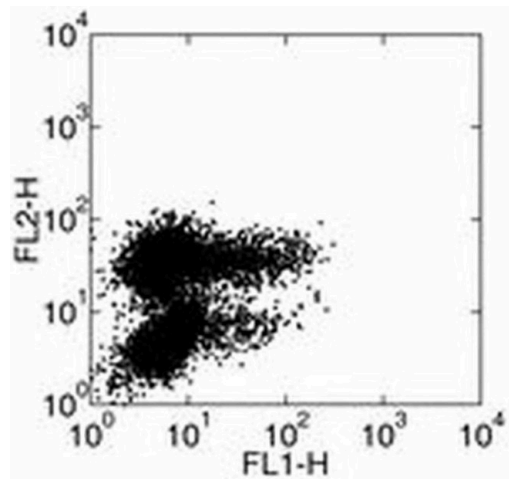
Applications Reported: BVD6-24G2 has been reported for use in intracellular flow cytometric analysis.

Applications Tested: This BVD6-24G2 antibody is offered in 2 formats: - µg size: has been tested by intracellular staining and flow cytometric analysis of restimulated mouse splenocytes cultures. This can be used at less than or equal to 0.5 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<sup>5</sup> to 10<sup>8</sup> 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 splenocytes cultures. Refer to catalog number suffix on the vial for amount to use per test: -41 is 5 µL (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<sup>5</sup> to 10<sup>8</sup> cells/test.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-4 Monoclonal Antibody (BVD6-24G2), FITC, eBioscience™



**IL-4 Antibody (11-7042-82) in Flow**

Mouse splenocytes were stimulated with ConA for 2 days, followed by Mouse IL-2 Recombinant Protein (Product # 14-8021-64) and Mouse IL-4 Recombinant Protein (Product # 14-8041-80) for 3 days, and re-stimulated with immobilized Anti-Mouse CD3 Functional Grade Purified (Product # 16-0032-82) and soluble Anti-Mouse CD28 Functional Grade Purified (Product # 16-0281-82) in the presence of Brefeldin A (Product # 00-4506-51) for 5 hours. Cells were surface stained with Anti-Mouse CD4 PE (Product # 12-0041-82) and intracellularly stained with Anti-Mouse IL-4 FITC.

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Flow Cytometry (18)

<p>PLoS pathogens</p> <p><b>NLRX1 is a key regulator of immune signaling during invasive pulmonary aspergillosis.</b></p> <p>"Published figure using IL-4 monoclonal antibody (Product # 11-7042-82) in Flow Cytometry"</p> <p>Authors: Kastelberg B,Tubau-Juni N,Ayubi T,Leung A,Leber A,Hontecillas R,Bassaganya-Riera J,Kale SD</p>	<p><b>Year</b> 2020</p> <p><b>Species</b> Mouse</p>
<p>Alcoholism, clinical and experimental research</p> <p><b>Differential Activation of Unconventional T Cells, Including iNKT Cells, in Alcohol-Related Liver Disease.</b></p> <p>"11-7042-82 was used in Flow Cytometry to investigate the role of innate-like unconventional T cells in alcohol-related liver disease."</p> <p>Authors: Marrero I,Maricic I,Morgan TR,Stolz AA,Schnabl B,Liu ZX,Tsukamoto H,Kumar V</p>	<p><b>Year</b> 2020</p> <p><b>Species</b> Mouse</p>

[View more Flow references on thermofisher.com](#)

ELISA (1)

<p>Scientific reports</p> <p><b>Der f 31, a novel allergen from Dermatophagoides farinae, activates epithelial cells and enhances lung-resident group 2 innate lymphoid cells.</b></p> <p>Authors: Wang H,Lin J,Zeng L,Ouyang C,Ran P,Yang P,Liu Z</p>	<p><b>Year</b> 2017</p> <p><b>Species</b> Mouse</p>
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Functional Assay (1)

<p>Journal of leukocyte biology</p> <p><b>Phenotypic differences between Th1 and Th17 cells and negative regulation of Th1 cell differentiation by IL-17.</b></p> <p>"11-7042 was used in Functional assays to compare the cell surface marker expression profiles of Th1 and Th17 cells."</p> <p>Authors: Nakae S,Iwakura Y,Suto H,Galli SJ</p>	<p><b>Year</b> 2007</p> <p><b>Species</b> Mouse</p>
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