

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
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
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	14 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.

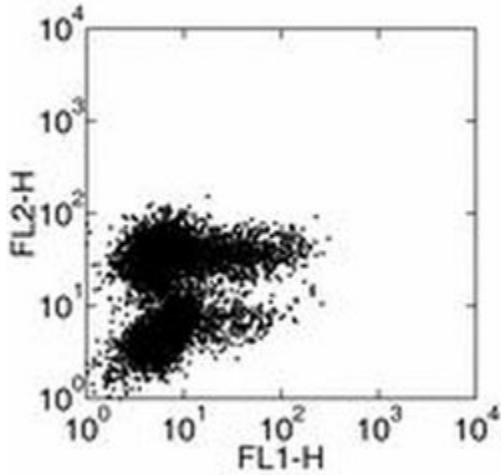
Applications Reported: BVD6-24G2 has been reported for use in intracellular flow cytometric analysis.

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 10⁵ to 10⁸ 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 10⁵ to 10⁸ 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.

[View more figures on thermofisher.com](http://thermofisher.com)

16 References

Flow Cytometry (14)

Scientific reports

Der f 31, a novel allergen from Dermatophagoides farinae, activates epithelial cells and enhances lung-resident group 2 innate lymphoid cells.

Authors: Wang H,Lin J,Zeng L,Ouyang C,Ran P,Yang P,Liu Z

Species
Mouse

Dilution
Not Cited

Year
2017

Acta pharmacologica Sinica

Betulin from Hedyotis hedyotidea ameliorates concanavalin A-induced and T cell-mediated autoimmune hepatitis in mice.

"Published figure using IL-4 monoclonal antibody (Product # 11-7042-82) in Flow Cytometry"

Authors: Zhou YQ,Weng XF,Dou R,Tan XS,Zhang TT,Fang JB,Wu XW

Species
Not Applicable

Dilution
Not Cited

Year
2017

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

ELISA (1)

Scientific reports

Der f 31, a novel allergen from Dermatophagoides farinae, activates epithelial cells and enhances lung-resident group 2 innate lymphoid cells.

Authors: Wang H,Lin J,Zeng L,Ouyang C,Ran P,Yang P,Liu Z

Species
Mouse

Dilution
Not Cited

Year
2017

Functional Assay (1)

Journal of leukocyte biology

Phenotypic differences between Th1 and Th17 cells and negative regulation of Th1 cell differentiation by IL-17.

"11-7042 was used in Functional assays to compare the cell surface marker expression profiles of Th1 and Th17 cells."

Authors: Nakae S,Iwakura Y,Suto H,Galli SJ

Species
Mouse

Dilution
Not Cited

Year
2007

More applications with references on thermofisher.com

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