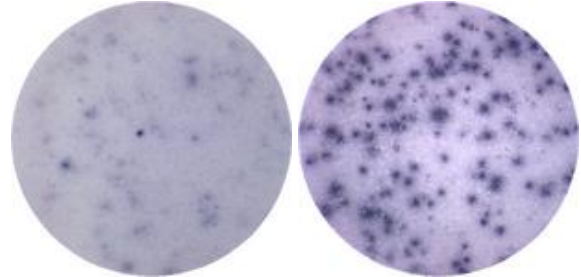


## Product Information

Contents: Affinity Purified anti-mouse interleukin-4 (IL-4)  
Catalog Number: 14-7041  
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.  
Avoid repeated freeze/thaw cycles.  
Clone: 11B11  
Isotype: Rat IgG1, κ



*Splenocytes from 8 week old mice pre-immunized with OVA/IFA were recall-activated with OVA antigen for 36 hours in mouse IL-4 ELISPOT assay. Control well is medium alone.*

## Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-7041	DISCONTINUED - FITC anti-mouse IL-4 (Interleukin-4)	488	518	IC
12-7041	PE anti-mouse IL-4 (Interleukin-4)	488	575	IC
14-7041	Affinity Purified anti-mouse IL-4 (Interleukin-4)	N/A	N/A	ELISA cap ELISPOT cap
16-7041	Functional Grade* Purified anti-mouse IL-4 (Interleukin-4)	N/A	N/A	BA
17-7041	APC anti-mouse IL-4 (Interleukin-4)	633	660	IC
25-7041	DISCONTINUED - **PLEASE SEE CAT NO. 25-7042 INSTEAD** Phycoerythrin-Cy7 (PE-Cy7) anti-mouse IL-4 (Interleukin-4)	488	760	IC

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.  
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

## Description

The 11B11 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. 11B11 has been reported for use in capture of mouse IL-4 by ELISA, immunoblotting (WB), and for neutralizing IL-4 binding and biological activity (use Functional Grade purified cat.16-7041).

## Applications Tested

The 11B11 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of mouse Interleukin-4 (IL-4) in combination with the biotin BVD6-24G2 (13-7042) antibody for detection and recombinant mouse IL-4 (14-8041) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 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. 13-7042 Biotin anti-mouse IL-4 (Interleukin-4) (clone BVD6-24G2)  
Cat. 14-8041 Recombinant Mouse IL-4 (Interleukin-4)

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#### References

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Ohara, J. and W. E. Paul (1985). "Production of a monoclonal antibody to and molecular characterization of B-cell stimulatory factor-1." Nature 315(6017): 333-6.

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