



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-Mouse IL-4 In Vivo Antibody – Low Endotoxin (11B11) [ICH1087]

### Description

## Bulk anti-IL-4 In Vivo Antibody – Low Endotoxin (11B11)

#### Product Benefits:

ichorbio's anti-IL-4 In Vivo Antibody – Low Endotoxin (11B11) is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from our [competitors](#) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (<0.75EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

#### Target:

IL-4

#### Clone:

11B11

#### Isotype:

Rat IgG1

#### Other Names:

Interleukin-4, IL-4, B-cell IgG differentiation factor, B-cell growth factor 1, B-cell stimulatory factor 1, BSF-1, IGG1 induction factor, Lymphocyte stimulatory factor 1

#### Uniprot:

[P07750](#)

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Host:

Rat

Species Reactivity:

Mouse

Specificity:

Anti-IL-4 In Vivo Antibody – Low Endotoxin (11B11) recognizes an epitope on Mouse IL-4

Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Background:

Interleukin-4 (IL-4) is a pleiotropic immune cytokine secreted by activated TH2 cells that inhibits bone resorption. IL-4 is critical for inducing allergic responses. It has many biological roles, including the stimulation of activated B-cell and T-cell proliferation, and the differentiation of CD4+ T-cells into Th2 cells. It is also a key regulator in humoral and adaptive immunity. IL-4 is required for the pathogenesis of atopic diseases and immune regulation.

Immunogen:

Purified Recombinant Mouse IL-4 (>98%)

Concentration:

1.0 – 5.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

Endotoxin:

<0.5 EU/mg as determined by the LAL method

? 0.75 EU/mg as determined by the LAL method

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### Aggregation:

Aggregation level ? 5%

Aggregation level ? 1%

### Storage:

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -80°C. Avoid repeated freeze thaw cycles.

### Applications:

ELISA Capture, ELISPOT, Flow Cytometry, Neutralization, Immunoprecipitation, Functional Assays, CyTOF, Immunohistochemistry

### Application Notes:

**ELISA Sandwich:** This antibody is useful as the capture antibody in a sandwich ELISA. The suggested coating concentration is 0.5-2.0 µg/ml.

**ELISPOT Capture:** This Low Endotoxin Functional Formulation antibody has been reported for use as the capture antibody in a sandwich ELISPOT assay. Aseptically coat plates at a concentration of 2-6 µg/ml is recommended.

**Neutralization:** Anti-Mouse IL-4 (clone 11B11) antibody can neutralize the bioactivity of natural or recombinant IL-4. The Low Endotoxin Functional Formulation purified antibody (Endotoxin <0.1 EU/?g, Azide-Free, 0.2 ?m filtered) is recommended for neutralization of mouse IL-4 bioactivity in vivo. Each investigator should determine their own optimal working dilution for specific applications.

### Use:

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

### Isotype Control:

[Rat IgG1 Isotype Control for In Vivo – Low Endotoxin \[GL113\] \(ICH2246\)](#)