

# Anti-Mouse IL-1b (B122) In Vivo Antibody - Low Endotoxin

**Product Code:** ICH1100

**Bulk anti-IL-1b In Vivo Antibody - Low Endotoxin (B122)**

**Bio X Cell:**

**ICH1100 is [up to 37% cheaper](#) for industry than the equivalent product BE0246 from Bio X Cell.**

## **Product Benefits:**

ichorbio's anti-IL-1b In Vivo Antibody - Low Endotoxin (B122) 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 [Bio X Cell](#) 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 (0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

## **Target:**

IL-1b

## **Clone:**

B122

## **Size:**

ichorbio's B122 *in vivo* antibody is available in the following bulk sizes: 1mg, 5mg, 25mg, 50mg and 100mg ichorbio regularly manufactures multi-gram amounts of our anti-IL-1b B122 clone - please contact us for pricing.

## **Isotype:**

Armenian Hamster IgG

**Other Names:**

Interleukin-1 beta, IL-1B

**Uniprot:**

[P10749](#)

**Host:**

Armenian Hamster

**Species Reactivity:**

Mouse

**Specificity:**

Anti-IL-1b In Vivo Antibody - Low Endotoxin (B122) recognizes Mouse IL-1B

**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.

**Antigen Distribution:**

Monocytes, tissue macrophages, Langerhan cells, dendritic cells, T lymphocytes, B lymphocytes, natural killer (NK) cells and many other B cells, T cells, related monocytes

**Background:**

Interleukin 1 beta (IL1 beta) is a proinflammatory cytokine belonging to IL1 family that is synthesized as a precursor. The IL1 beta precursor form is not biologically active. It is expressed mainly by stimulated macrophages and monocytes. IL1 beta is known to be a mediator in inflammatory response and to be involved in a variety of cellular activities, proliferation, differentiation and apoptosis. It has been recently found that IL1 beta is a major cause of severe inflammation in the mouse model of Crohns disease which makes IL1 beta an important target for this disease. The B122 antibody has been reported to neutralize the bioactivity of natural or recombinant IL-1 $\beta$ .

**Immunogen:**

E. coli -expressed, recombinant mouse IL-1 $\beta$

**Concentration:**

1.0 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:**

$\leq$  1.0 EU/mg as determined by the LAL method

$\leq$  0.75 EU/mg as determined by the LAL method

**Aggregation:**

Aggregation level  $\leq$  5%

Aggregation level  $\leq$  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:**

Neutralization, Immunoprecipitation, Western Blot, ELISA

**Application Notes:**



Each investigator should determine their own optimal working dilution for specific applications.

**Use:**

Products are for research use only.

**Isotype Control:**

[Armenian Hamster IgG Isotype Control for In Vivo - Low Endotoxin \[PIP\] \(ICH2251\)](#)