

# Anti-Mouse IL-1a (ALF-161) In Vivo Antibody - Low Endotoxin

**Bulk anti-IL-1a In Vivo Antibody - Low Endotoxin (ALF-161)**

**Bio X Cell:**

ICH1099 is [up to 37% cheaper](#) for industry than the equivalent product BE0243 from Bio X Cell.

## Product Benefits:

ichorbio's anti-IL-1a In Vivo Antibody - Low Endotoxin (ALF-161) 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-1a

## Clone:

ALF-161

## Size:

ichorbio's ALF-161 *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-1a ALF-161 clone - please contact us for pricing.

## Isotype:

Armenian Hamster IgG1

## Other Names:

Interleukin-1 alpha, IL-1a

## Uniprot:

[P01582](#)

## Host:

Armenian Hamster

**Species Reactivity:**

Mouse

**Specificity:**

Anti-IL-1a In Vivo Antibody - Low Endotoxin (ALF-161) recognizes Mouse IL-1A

**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:**

Mouse IL-1alpha is a non-secreted proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1alpha and IL-1beta binds to the same receptor and has similar if not identical biological properties. These cytokines have a broad range of activities including, stimulation of thymocyte proliferation, by inducing IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity and the ability to stimulate the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1beta is a secreted cytokine, IL-1alpha is predominantly a cell-associated cytokine.

**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:**

? 1.0 EU/mg as determined by the LAL method

? 0.75 EU/mg as determined by the LAL method

**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:**

Western Blot, ELISA, ELISPOT, Neutralization, Immunoprecipitation, Flow Cytometry (Intracellular)

**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 \[PIP\] \(ICH2251\)](#)