

Anti-Mouse IL-1R (JAMA-147) In Vivo Antibody - Low Endotoxin

Product Code: ICH1117

Bulk anti-IL-1R In Vivo Antibody - Low Endotoxin (JAMA-147)

Bio X Cell:

ICH1117 is [up to 37% cheaper](#) for industry customers than the equivalent product BE0256 from Bio X Cell.

Product Benefits:

ichorbio's anti-IL-1R In Vivo Antibody - Low Endotoxin (JAMA-147) 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:

IL1R1

Clone:

JAMA-147

Size:

ichorbio's JAMA-147 *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-1R JAMA-147 clone - please contact us for pricing.

Isotype:

Armenian Hamster IgG

Other Names:

Interleukin-1 receptor type 1, IL-1R-1, IL-1RT-1, IL-1RT1, CD121 antigen-like family member A, Interleukin-1 receptor alpha, IL-1R-alpha, Interleukin-1 receptor type I, p80, CD121a

Uniprot:

[P13504](#)

Host:

Armenian Hamster

Species Reactivity:

Mouse

Specificity:

Anti-IL-1R In Vivo Antibody - Low Endotoxin (JAMA-147) recognizes Mouse IL-1 R1

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:

IL-1 binds two receptors, IL-1RI and IL-1RII. The ligands IL-1alpha and IL-1beta exert all of their various biological actions by binding IL-1RI. IL-1RII has a shortened cytoplasmic domain that is unable to transduce signals and therefore acts as a decoy receptor and competitively antagonizes the binding of IL-1alpha and IL-1beta, thereby reducing their biological effects. Binding of the ligands to IL-1RI is enhanced by an accessory protein, IL-1R-AcP. IL-1RI is expressed on T cells, thymocytes, dendritic cells, fibroblasts, vascular endothelial cells, epithelial cells and neural cells. It is an 80 kD transmembrane glycoprotein.

Immunogen:

Extracellular domain of mouse IL-1 R type 1

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:

≤ 1.0 EU/mg as determined by the LAL method

≤ 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:

Immunoprecipitation, Western Blot, Blocking, Flow Cytometry

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