

# Anti-Mouse 4-1BB (3H3) In Vivo Antibody - Low Endotoxin

**Product Code:** ICH1036

**Bulk anti-4-1BB In Vivo Antibody - Low Endotoxin (3H3)**

**Bio X Cell:**

ICH1036 is [up to 37% cheaper](#) for industry than the equivalent product from Bio X Cell (BE0239). **Product Benefits:**

ichorbio's anti-4-1BB In Vivo Antibody - Low Endotoxin (3H3) 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:**

4-1BB

**Clone:**

3H3

**Size:**

ichorbio's 3H3 *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-4-1BB 3H3 clone - please contact us for pricing.

**Isotype:**

Rat IgG2a

**Other Names:**

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4-1BB ligand receptor, T-cell antigen 4-1BB, Tnfrsf9, Ila, Ly63, CD137

**Uniprot:**

[P20334](#)

**Host:**

Rat

**Species Reactivity:**

Mouse, Rat

**Specificity:**

Anti-4-1BB In Vivo Antibody - Low Endotoxin (3H3) recognizes an epitope on Mouse 4-1BB

**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:**

Activated T cells and B cells

**Background:**

4-1BB (CD137) is a costimulatory molecule expressed on the surface of activated T cells and plays a role in T-cell-mediated proliferative response. 4-1BB signal regulates CD28 co-stimulation in the targeted subset cells to favor Th1 development and maintain long-term cell growth. 4-1BB is also expressed on dendritic cells (DCs) and controls the duration, DC-T interaction, and, therefore, immunogenicity. Clone 3H3 antibody is an agonistic antibody that has been shown to stimulate 4-1BB signaling in vivo.

**Immunogen:**

Unknown

**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

0.5 EU/mg as determined by the LAL method

**Aggregation:**

Aggregation level ≤ 5%

Aggregation level ≤ 1%

**IMPACT Pathogen Test:**

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our rat antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Rat parvovirus Lymphocytic choriomeningitis virus Rat cytomegalovirus Sendai virus Rat coronavirus Sialodacryoadenitis virus Rat minute virus Seoul virus Mouse adenovirus Reovirus 3 Rat theilovirus

**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, Functional Assays

**Application Notes:**

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

**Use:**

Products are for research use only.

**Isotype Control:**

[Rat IgG2a In Vivo Isotype Control - Low Endotoxin \[1-1\] \(ICH2244\)](#)