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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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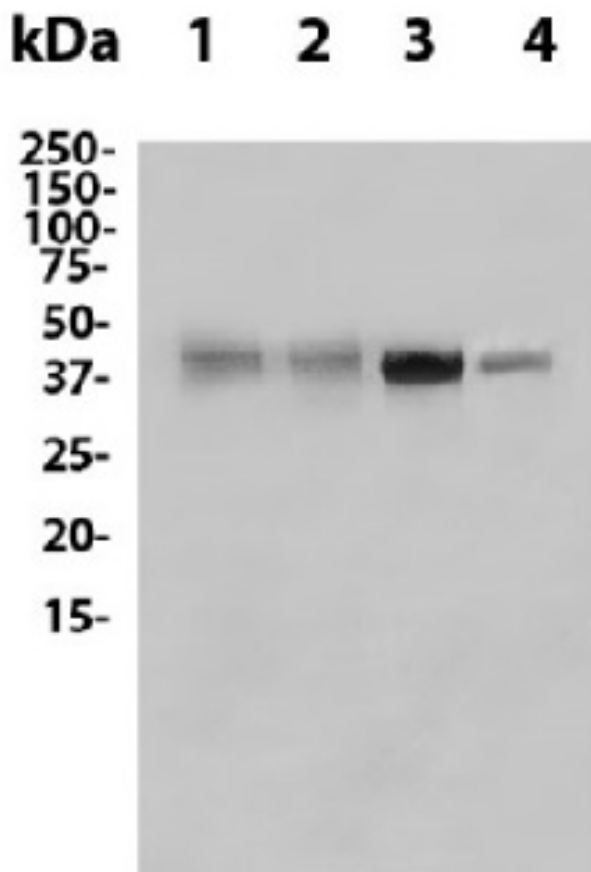
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Anti-CTLA-4 In Vivo Antibody - Low Endotoxin (9H10) [ICH1084]

SKU: ICH1084

Link: <https://www.ichor.bio/product/anti-ctla-4-in-vivo-antibody-low-endotoxin-9h10-ich1084/>



Product Information

Category: anti-mouse, anti-rat, Low Endotoxin, Ultra Low Endotoxin

Tags: CTLA-4

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Endotoxin Level: Low, Ultra low

Product Description

Product Benefits:

ichorbio's anti-CTLA-4 In Vivo Antibody - Low Endotoxin (9H10) is manufactured in a cGMP compliant facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from our competitors (<http://www.ichor.bio/comparing-ichorbio-to-bio-x-cell-biolegend/>) 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 offers Amazon vouchers or donations to the NC3Rs for reviews of this product: click [here](http://www.ichor.bio/amazon-vouchers/) (<http://www.ichor.bio/amazon-vouchers/>) for more information. ichorbio: the best antibodies for *in vivo* research.

Target:

CTLA-4

Clone:

9H10

Isotype:

Syrian Hamster IgG

Other Names:

Ctla4, Cytotoxic T-lymphocyte protein 4, CD152

Uniprot:[P09793 \(https://www.uniprot.org/uniprot/P09793\)](https://www.uniprot.org/uniprot/P09793)**Host:**

Syrian Hamster

Species Reactivity:

Mouse, Rat

Specificity:

Anti-CTLA-4 In Vivo Antibody - Low Endotoxin (9H10) recognizes an epitope on Mouse CTLA-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.

Antigen Distribution:

Activated T cells

Background:

CTLA4 (Cytotoxic T-Lymphocyte Antigen 4) also known as CD152, is a protein which is expressed on the surface of Helper T cells and plays an important regulatory role in the immune system. CTLA4 is a member of the immunoglobulin superfamily, expressed on the surface of Helper T cells. CTLA4 transmits an inhibitory signal to T cells. CTLA4 is potentially therapeutic in auto-immune

diseases⁴, such as rheumatoid arthritis, HIV, autoimmune thyroid disease, multiple sclerosis and may also be useful during organ transplantation and cancer treatment. Clone 9H10 antibody has been shown to promote T cell co-stimulation by blocking CTLA4 binding, allowing for CD28 binding.

Immunogen:

Mouse CTLA-4-human IgG1 fusion protein

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 hamster antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Hamster parvovirus Lymphocytic choriomeningitis Minute virus of mice Theiler's murine encephalomyelitis virus Sendai virus Reovirus 3 Hantaan virus

Storage:

anti-CTLA-4 In Vivo Antibody - Low Endotoxin (9H10) is stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Applications:

Western Blot, Blocking

in vivo

We recommend using between 50-250µg per mouse when performing *in vivo* research using ichorbio's CTLA-4 low endotoxin antibody clone 9H10. This range is based off the most recent publication data using the 9H10 clone.

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications. A number of studies (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2668854/>) have used 100ug per injection for T-cell modulation *in vivo*.

Use:

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

Related Antibody:

Anti-CTLA-4 In Vivo Antibody - Ultra Low Endotoxin [9H10] (ICH1084UL)
(<http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-9H10-ICH1084>)

Antibodies against the same target:

Anti-CTLA-4 In Vivo Antibody - Low Endotoxin [UC10-4F10-11] (ICH1085)
(<http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-UC10-4F10-11-ICH1085>), Anti-CTLA-4 In Vivo Antibody - Low Endotoxin [9D9] (ICH1096)
(<http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-9D9-ICH1096>), Anti-CTLA-4 In Vivo Antibody - Ultra Low Endotoxin [9D9] (ICH1096UL)
(<http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-9D9-ICH1096>)