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

Bulk anti-CTLA-4 In Vivo Antibody - Low Endotoxin (9H10)

Bio X Cell:

ICH1084 is up to 47% cheaper for industry than the equivalent low endotoxin product (BE0131) and up to 39% cheaper for the ultra-low endotoxin product (BP0131) from Bio X Cell. The low endotoxin version is up to 19% cheaper for academia, whilst the ultra-low endotoxin product is up to 7%. **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 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:

CTLA-4

Clone:

9H10

Size:

ichorbio's 9H10 *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-CTLA-4 9H10 clone - please contact us for pricing.

Isotype:

Syrian Hamster IgG

Other Names:

Ctla4, Cytotoxic T-lymphocyte protein 4, CD152

Uniprot:

P09793

Host:

Syrian Hamster

Species Reactivity:

Mouse

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:

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, Blocking, ELISA, Flow Cytometry

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 have used 100ug per injection for T-cell modulation *in vivo*.

Use:

Products are for research use only.

Isotype Control:

Syrian Hamster IgG Isotype Control for In Vivo – Low Endotoxin [ICH2253]

Antibodies against the same target:

Anti-CTLA-4 In Vivo Antibody - Low Endotoxin [UC10-4F10-11] (ICH1085), Anti-CTLA-4 In Vivo Antibody - Low Endotoxin [9D9] (ICH1096), Anti-CTLA-4 In Vivo Antibody - Ultra Low Endotoxin [9D9] (ICH1096UL)

Alternative Names:

- HNRNPA 1 antibody
- Helix destabilizing protein antibody
- Helix-destabilizing protein antibody
- Heterogeneous nuclear ribonucleoprotein A1 antibody
- Heterogeneous nuclear ribonucleoprotein A1B protein antibody

- Heterogeneous nuclear ribonucleoprotein B2 protein antibody
- Heterogeneous nuclear ribonucleoprotein core protein A1 antibody
- hnRNP A1 antibody
- hnRNP core protein A1 antibody
- HNRNPA1 antibody
- HNRPA1 antibody
- MGC102835 antibody
- Nuclear ribonucleoprotein particle A1 protein antibody
- Single strand DNA binding protein UP1 antibody
- Single strand RNA binding protein antibody
- Single-strand RNA-binding protein antibody