

# Anti-Mouse CTLA-4 (UC10-4F10-11) In Vivo Antibody - Low Endotoxin

**Bulk anti-CTLA-4 In Vivo Antibody - Low Endotoxin (UC10-4F10-11)**

## **Bio X Cell:**

ICH1085 is [up to 37% cheaper](#) for industry than the equivalent product BE0032 from Bio X Cell. **Product Benefits:**

ichorbio's anti-CTLA-4 In Vivo Antibody - Low Endotoxin (UC10-4F10-11) 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:**

CTLA-4

## **Clone:**

UC10-4F10-11

## **Size:**

ichorbio's UC10-4F10-11 *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 UC10-4F10-11 clone - please contact us for pricing.

## **Isotype:**

Armenian Hamster IgG1

## **Other Names:**

Ctla4, Cytotoxic T-lymphocyte protein 4, CD152

## **Uniprot:**

[P09793](#)

## **Host:**

Armenian Hamster

**Species Reactivity:**

Mouse

**Specificity:**

Anti-CTLA-4 In Vivo Antibody - Low Endotoxin (UC10-4F10-11) recognizes an epitope on Mouse CD152

**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:**

The UC10-4F10-11 antibody reacts with CD152 (CTLA-4), which is expressed on activated T lymphocytes 2-3 days after stimulation through T cell receptor.

**Background:**

CD152, also known as CTLA-4 or Ly-56 has significant similarity to CD28 in amino acid sequence, structure, and genomic organization. Furthermore, CD152 and CD28 share common B7 family counter-receptors. Unlike CD28, CD152 expression appears to be restricted to activated T cells and CD25+CD4+ regulatory T (Treg) cells. CD152 is thought to play a role in the induction and maintenance of immunological tolerance as well as the development of protective immunity and thymocyte regulation.

**Immunogen:**

Purified Recombinant Mouse CTLA4 Fc Fusion Protein

**Concentration:**

? 2.0 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:**

Flow Cytometry, Western Blot, Functional Assays, Immunoprecipitation

***in vivo***

We recommend using between 50-250µg per mouse when performing *in vivo* research using ichorbio's CTLA-4 low endotoxin antibody clone UC10-4F10-11. This range is based off the most recent publication data using the UC10-4F10-11 clone *in vivo*.

**Application Notes**

Functional Assay: Clone UC10-4F10-11 antibody has been shown to promote T cell co-stimulation by blocking CTLA-4 binding to the B7 co-receptors, allowing for CD28 binding. 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 \[PIP\] \(ICH2251\)](#)

**Antibodies against the same target:**

[Anti-CTLA-4 In Vivo Antibody - Low Endotoxin \[9H10\] \(ICH1084\)](#), [Anti-CTLA-4 In Vivo Antibody - Ultra Low Endotoxin \[9D9\] \(ICH1096UL\)](#), [Anti-CTLA-4 In Vivo Antibody - Low Endotoxin \[9D9\] \(ICH1096\)](#), [Anti-CTLA-4 In Vivo Antibody - Ultra Low Endotoxin \[9H10\] \(ICH1084UL\)](#)

**Alternative Names:**

- ALPS5 antibody
- CD 152 antibody
- CD antibody
- CD152 antibody
- CD152 antigen antibody
- CD152 isoform antibody
- Celiac disease 3 antibody

- CELIAC3 antibody
- CTLA 4 antibody
- CTLA-4 antibody
- CTLA4 antibody
- Cytotoxic T cell associated 4 antibody
- Cytotoxic T lymphocyte antigen 4 antibody
- Cytotoxic T lymphocyte associated 4 antibody
- Cytotoxic T lymphocyte associated 4, soluble isoform, included antibody
- Cytotoxic T lymphocyte associated antigen 4 antibody
- Cytotoxic T lymphocyte associated antigen 4 short spliced form antibody
- Cytotoxic T lymphocyte associated protein 4 antibody
- Cytotoxic T lymphocyte associated serine esterase 4 antibody
- Cytotoxic T lymphocyte protein 4 antibody
- Cytotoxic T-lymphocyte protein 4 antibody
- Cytotoxic T-lymphocyte-associated antigen 4 antibody
- GRD4 antibody
- GSE antibody
- ICOS antibody
- IDDM12 antibody
- Insulin-dependent diabetes mellitus 12 antibody
- Ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4 antibody
- OTTHUMP00000216623 antibody