



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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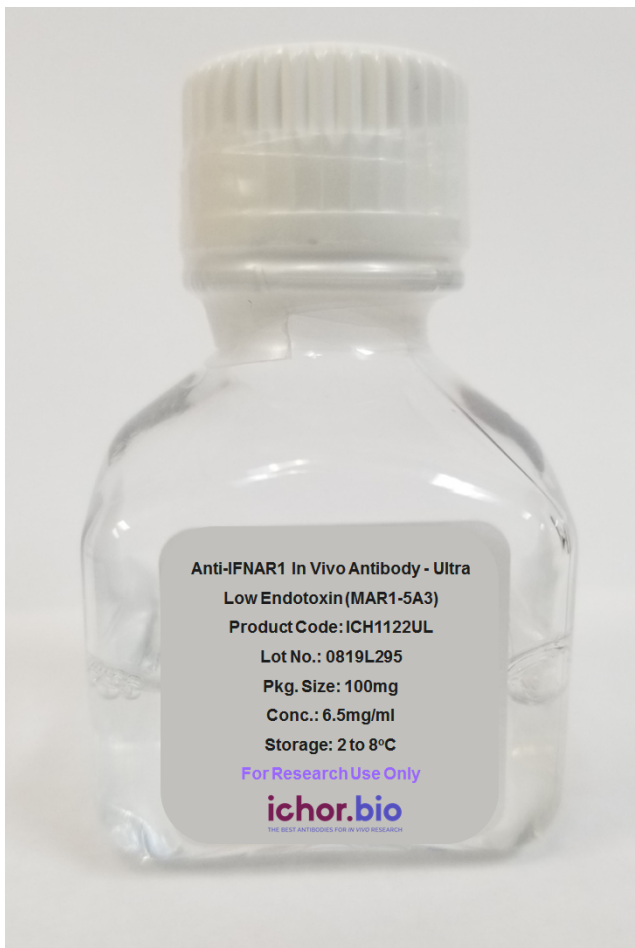
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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# Anti-Mouse CTLA-4 In Vivo Antibody - Low Endotoxin (UC10-4F10-11) [ICH1085]

SKU: ICH1085

Link: <https://www.ichor.bio/product/anti-ctla-4-in-vivo-antibody-low-endotoxin-uc10-4f10-11-ich1085/>



## Product Information

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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 (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 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:**

UC10-4F10-11

**Isotype:**

Armenian Hamster IgG1

**Other Names:**

Ctla4, Cytotoxic T-lymphocyte protein 4, CD152

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

Armenian Hamster

**Species Reactivity:**

Mouse, Rat

**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:**

anti-CTLA-4 In Vivo Antibody - Low Endotoxin (UC10-4F10-11) is stable when stored at 2-8°C. Do not freeze.

**Applications:**

Flow Cytometry, Western Blot, Functional Assays

***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. Not for use in diagnostic or therapeutic procedures.

**Isotype Control:**

[Armenian Hamster IgG Isotype Control for In Vivo - Low Endotoxin \[PIP\]\\_\(ICH2251\)](http://www.ichor.bio/product/Armenian-Hamster-IgG-Isotype-Control-for-In-Vivo-Low-Endotoxin-PIP-ICH2251)  
(<http://www.ichor.bio/product/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 \[9H10\]\\_\(ICH1084\)](http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-9H10-ICH1084)  
(<http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-9H10-ICH1084>), [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)  
(<http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-9D9-ICH1096>), [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)  
(<http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-9D9-ICH1096>), [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-ICH1084UL)  
(<http://www.ichor.bio/product/Anti-CTLA-4-In-Vivo-Antibody-Low-Endotoxin-9H10-ICH1084>).