



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Anti-CTLA4 [1B8] Standard Size Ab02559-2.0

**Isotype and Format:** Mouse IgG2a, Kappa

**Clone Number:** 1B8

**Alternative Name(s) of Target:** Cytotoxic T-lymphocyte protein 4; Ctla4; Cytotoxic T-lymphocyte-associated antigen 4; CTLA-4; CD152; UC10-4FIO

**UniProt Accession Number of Target Protein:** P09793

**Published Application(s):** Blocking, WB, ELISA, FC, IF

**Published Species Reactivity:** Mouse

**Immunogen:** The antibody was generated by immunizing Armenian hamsters with the extracellular portion of murine CTLA-4 fused to a murine IgG2.

**Specificity:** This antibody is specific for CTLA-4. CTLA-4 is an inhibitory receptor acting as a major negative regulator of T-cell responses. The affinity of CTLA4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28.

**Application Notes:** ELISA was preformed on murine CTLA-4Ig to test the binding specificity of the antibody (Walunas et al, 1994; pmid:7882171). For flow cytometry on A20, M12.41 (B cells), L cell (fibroblast), and P815 (mastocytoma) cells this antibody was used (Perkins et al, 1996; pmid:8666782). This antibody was used for blocking in mice. It prevented T-cell proliferation (Leach et al, 1996; pmid:8596936). Western blot was preformed on LN cells harvested from SJL mice using this antibody (Aruna et al, 2005; pmid:16014414). This antibody was used for flow cytometry on LN cells harvested from SJL mice (Aruna et al, 2005; pmid:16014414). Mouse CD4+ CD25+ T cells were used for a flow cytometric experiment using this antibody (Valsazina et al, 2006; pmid:16618776). Thymi from Tg4 CTLA-4WT and B10.PL mice were immunostained with this antibody (Verhagen et al, 2012; pmid:23267099). LN cells from mice were immunostained with this antibody (Paas-Rozner et al, 2003; pmid:12743364). Cultured CD4+CD25+ Tregs of mice were used in an flow cytometry experiment in which this antibody was used (Wang et al, 2010; pmid:20843956).

**Antibody First Published in:** Walunas et al. CTLA-4 can function as a negative regulator of T cell activation Immunity. 1994 Aug;1(5):405-13. [PMID:7882171](#)

**Note on publication:** Describes the generation of the antibody by immunizing Armenian hamsters with the extracellular portion of murine CTLA-4 fused to a murine IgG2.

## Product Form

**Size:**

200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.