



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### 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-CD4 [GK1.5] Bulk Size Ab02561-2.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** GK1.5

**Alternative Name(s) of Target:** T-cell surface glycoprotein CD4; Cd4; T-cell differentiation antigen L3T4; T-cell surface antigen T4/Leu-3

**UniProt Accession Number of Target Protein:** P06332

**Published Application(s):** functional assay, ELISA, FC, IF, IHC

**Published Species Reactivity:** Mouse

**Immunogen:** The antibody was raised by immunizing a Lewis rat with an i.v. injection of 30 x 10<sup>6</sup> Ficoll-Hypaque-purified cells from the cloned CTL line 243/2.5

**Specificity:** This antibody is specific for CD4. CD4 is an integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class II molecule:peptide complex.

**Application Notes:** The effect of this antibody on the PFC response was measured by treating spleen cells from PC-FGG-primed BALB/c mice with this antibody (Dialynas et al, 1983; pmid:6415170).

Immunofluorescence was preformed preformed on spleen cells from PC-FGG-primed BALB/c mice with this antibody (Dialynas et al, 1983; pmid:6415170). An flow cytometry experiment was preformed on spleen cells from PC-FGG-primed BALB/c mice with this antibody (Dialynas et al, 1983; pmid:6415170). The effect of this antibody on antigen-specific release of IL2 by mouse T cell hydridomas (Wilde et al, 1983; pmid:6195255). ELISA was preformed with this antibody on calf fetal serum (Wilde et al, 1983; pmid:6195255). The effect of the antibody on antigen-specific binding by T cell hybridoma AODH-3.4 was determined (Wilde et al, 1983; pmid:6195255). ELISA was preformed on murine CD4 using this antibody (Freise et al, 2017; pmid:27966069). The biodistribution of this antibody in mice was determined (Freise et al, 2017; pmid:27966069). Flow cytometry was preformed on blood, Thymus, lymph nodes, and spleen cells from mice with this antibody (Freise et al, 2017; pmid:27966069). Mouse C57BL/6 splenocytes were used in a proliferation assay with this antibody (Freise et al, 2017; pmid:27966069). Mouse Blood, spleen, and lymph node lymphocyte were used for flow cytometry using this antibody (Rice et al, 1995; pmid:7539027).

Multiple organs from mice were used for immunohistochemistry using this antibody (Rice et al, 1995; PMID:7539027). Flow cytometric detection was used to detect T cell depletion using this antibody (Rashid et al, 1992; PMID:1538121).

**Antibody First Published in:** Dialynas et al. Characterization of the murine T cell surface molecule, designated L3T4, identified by monoclonal antibody GK1.5: similarity of L3T4 to the human Leu-3/T4 molecule J Immunol. 1983 Nov;131(5):2445-51. [PMID:6415170](https://pubmed.ncbi.nlm.nih.gov/6415170/)

**Note on publication:** In the paper the antibody was raised by immunizing a Lewis rat with an i.v. injection of  $30 \times 10^6$  Ficoll-Hypaque-purified cells from the cloned CTL line 243/2.5.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.