



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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)

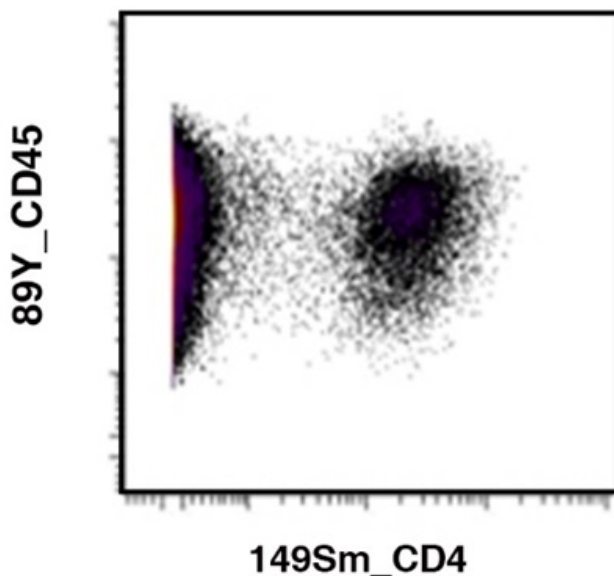
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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# Anti-CD4 In Vivo Antibody - Low Endotoxin (GK1.5) [ICH1042]

SKU: ICH1042

Link: <https://www.ichor.bio/product/anti-cd4-in-vivo-antibody-low-endotoxin-gk1-5-ich1042/>



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## Product Information

Category: anti-mouse, Low Endotoxin, Ultra Low Endotoxin

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Endotoxin Level: Low, Ultra low

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## Product Description

### Product Benefits:

ichorbio's anti-CD4 In Vivo Antibody - Low Endotoxin (GK1.5) 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/) (<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/>) for more information. ichorbio: the best antibodies for *in vivo* research.

**Target:**

CD4

**Clone:**

GK1.5

**Isotype:**

Rat IgG2b

**Other Names:**

T-cell differentiation antigen L3T4, T-cell surface antigen T4/Leu-3

**Host:**

Rat

**Species Reactivity:**

Mouse

**Specificity:**

Anti-CD4 In Vivo Antibody - Low Endotoxin (GK1.5) recognizes an epitope on Mouse CD4

**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 L3T4 antigen is expressed by the helper/inducer subset of mouse T-cells. The antigen is present on approximately 80% of thymocytes, 20% of spleen cells and 60% of lymph node cells. The expression of L3T4 correlates with class II MHC antigen reactivity on cloned T-cell lines.

**Background:**

CD4 (cluster of differentiation 4) is a glycoprotein expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages, and dendritic cells. CD4 interacts with class II molecules of the major histocompatibility complex (MHC) enhancing the signal for T-cell activation.

**Immunogen:**

Mouse CTL clone V4

**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%

**IMPACT Pathogen Test:**

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our rat antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Rat parvovirus Lymphocytic choriomeningitis virus Rat cytomegalovirus Sendai virus Rat coronavirus Sialodacryoadenitis virus Rat minute virus Seoul virus Mouse adenovirus Reovirus 3 Rat theilovirus

**Storage:**

anti-CD4 In Vivo Antibody - Low Endotoxin (GK1.5) is stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

**Applications:**

Western Blot, Blocking

**Application Notes:**

Blocking: Anti-Mouse CD4 (clone GK1.5) is useful for In vitro and In vivo studies of T-helper cell functions including blocking of ligand binding and T-helper cell activation. 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:**

[Rat IgG2b In Vivo Isotype Control - Low Endotoxin \[1-2\]\\_\(ICH2243\)](http://www.ichor.bio/product/Rat-IgG2b-In-Vivo-Isotype-Control-Low-Endotoxin-1-2-ICH2243)

[.\(http://www.ichor.bio/product/Rat-IgG2b-In-Vivo-Isotype-Control-Low-Endotoxin-1-2-ICH2243\)](http://www.ichor.bio/product/Rat-IgG2b-In-Vivo-Isotype-Control-Low-Endotoxin-1-2-ICH2243)

**Related Antibody:**

[Anti-CD4 In Vivo Antibody - Ultra Low Endotoxin \[GK1.5\]\\_\(ICH1042UL\)](http://www.ichor.bio/product/Anti-CD4-In-Vivo-Antibody-Low-Endotoxin-GK1.5-ICH1042)

[.\(http://www.ichor.bio/product/Anti-CD4-In-Vivo-Antibody-Low-Endotoxin-GK1.5-ICH1042\)](http://www.ichor.bio/product/Anti-CD4-In-Vivo-Antibody-Low-Endotoxin-GK1.5-ICH1042)

**Antibodies against the same target:**

Anti-CD4 In Vivo Antibody - Low Endotoxin [RPA-T4]\_(ICH1004).

(<http://www.ichor.bio/product/Anti-CD4-In-Vivo-Antibody-Low-Endotoxin-RPA-T4-ICH1004>), Anti-CD4 In Vivo Antibody - Ultra Low Endotoxin [RPA-T4]\_(ICH1004UL).

(<http://www.ichor.bio/product/Anti-CD4-In-Vivo-Antibody-Low-Endotoxin-RPA-T4-ICH1004>).