



# 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

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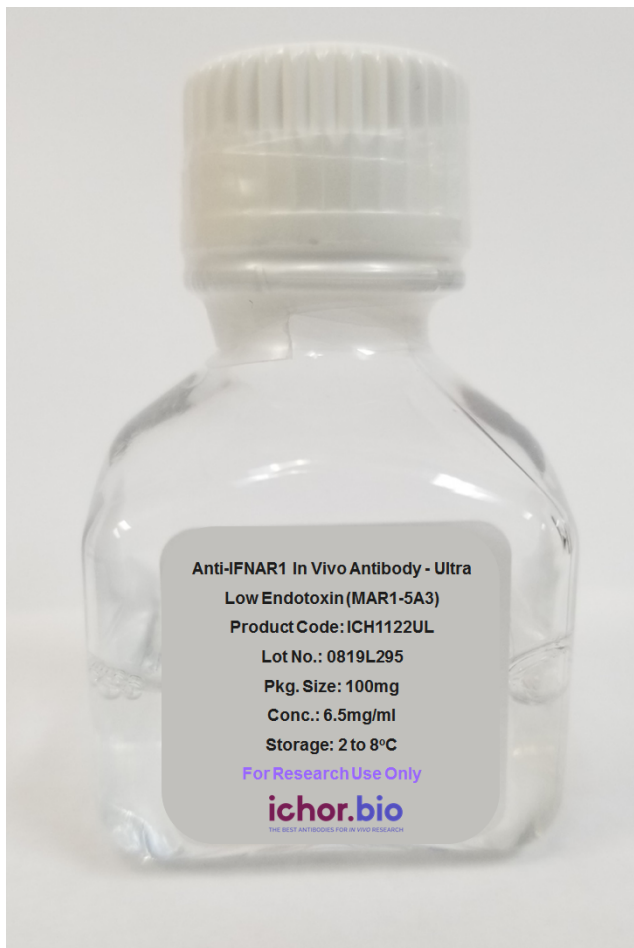
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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# Anti-Mouse CD25 In Vivo Antibody - Low Endotoxin (7G7B6) [ICH1163]

SKU: ICH1163

Link: <https://www.ichor.bio/product/anti-mouse-cd25-in-vivo-antibody-low-endotoxin-7g7b6-ich1163/>



## Product Information

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

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

Endotoxin Level: Low, Ultra low

## Product Description

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Product Benefits:

ichorbio's anti- CD25 (IL-2R $\alpha$ ) In Vivo Antibody - Low Endotoxin (7G7B6) 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 (<https://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](https://www.ichor.bio/amazon-vouchers/) (<https://www.ichor.bio/amazon-vouchers/>) for more information. ichorbio: the best antibodies for *in vivo* research.

**Target:**

CD25

**Clone:**

7G7B6

**Isotype:**

Mouse IgG2a

**Other Names:**

IL2RA, Interleukin-2 receptor subunit alpha, TAC, p55

**Uniprot:**[P01589](https://www.uniprot.org/uniprot/P01589) (<https://www.uniprot.org/uniprot/P01589>)**Host:**

Mouse

**Species Reactivity:**

Human

**Specificity:**

Clone 7G7B6 reacts with human CD25

**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:**

IL-2R $\alpha$  is expressed on activated mature T and B lymphocytes, during early stages of thymocytes development, pre-B cells, and in activated CD4<sup>+</sup> memory T-lymphocytes

**Background:**

CD25 (IL-2R $\alpha$ ) is the 55 kDa subunit of the interleukin 2 receptor alpha chain which has been shown to play roles in lymphocyte differentiation, activation, and proliferation. IL-2R $\alpha$  is a transmembrane glycoprotein comprised of a heavily glycosylated extracellular domain, a transmembrane region and a short cytoplasmic tail. IL-2R $\alpha$  heterodimerizes with IL-2R $\beta$  (CD122) and IL-2R $\gamma$  (CD132)

and forms the IL-2 receptor complex. IL-2R $\alpha$  by itself binds IL-2 with relatively low affinity, while the IL-2 receptor complex binds IL-2 with high affinity. IL-2R $\alpha$  mutations cause severe immunodeficiency.

**Immunogen:**

This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 150 mM NaCl with no carrier protein, potassium or preservatives added

**Concentration:**

1.0 mg/ml

**Formulation:**

This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 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:**

$\leq$  1.0 EU/mg as determined by the LAL method

$\leq$  0.75 EU/mg as determined by the LAL method

**Aggregation:**

Aggregation level  $\leq$  5%

Aggregation level  $\leq$  1%

**IMPACT Pathogen Test:**

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our mouse antibodies are tested for: Mycoplasma spp. Mycoplasma pulmonis Sendai virus Mouse hepatitis virus Pneumonia virus of mice Minute virus of mice Mouse parvovirus (MPV1-5) Theiler's murine encephalomyelitis virus Murine norovirus Reovirus 3 Mouse rotavirus Ectromelia virus Lymphocytic choriomeningitis virus Polyoma virus Lactate dehydrogenase-elevating virus Mouse adenovirus (MAD1, MAD2) Mouse cytomegalovirus K virus Mouse thymic virus Hantaan virus Corynebacterium bovis Corynebacterium spp. (HAC2)

**Storage:**

This antibody 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:**

ELISA, Flow Cytometry, Immunofluorescence Staining, Immunoprecipitation, Western Blotting

**Application Notes:**

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.