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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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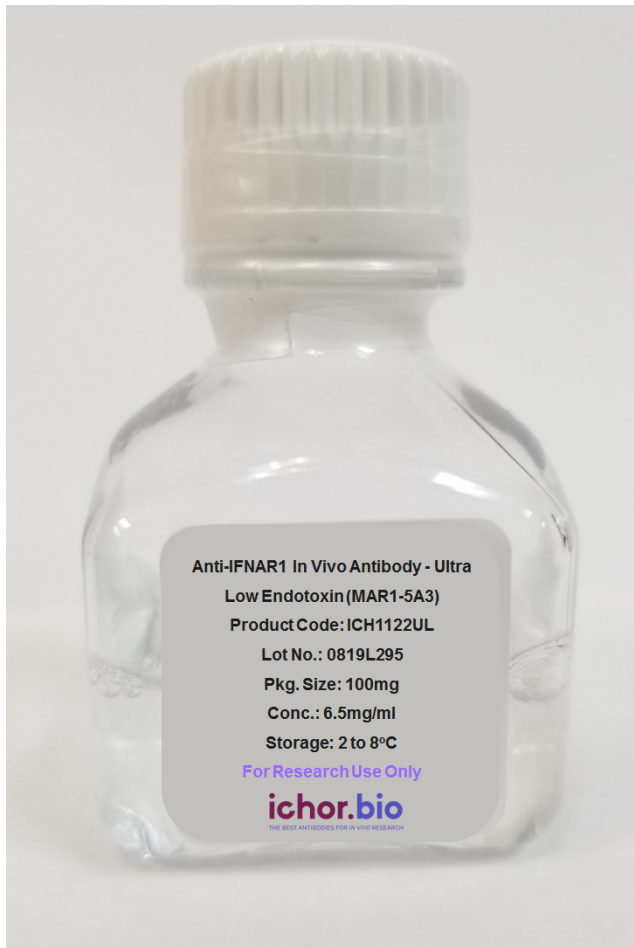
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Anti-Human CD7 In Vivo Antibody - Low Endotoxin (T3-3A1) [ICH1158]

SKU: ICH1158

Link: <https://www.ichor.bio/product/anti-human-cd7-in-vivo-antibody-low-endotoxin-t3-3a1-ich1158/>



Product Information

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

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

Endotoxin Level: Low, Ultra low

Product Description

Product Benefits:

ichorbio's anti-CD7 In Vivo Antibody - Low Endotoxin (T3-3A1) 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:

CD7

Clone:

T3-3A1

Isotype:Mouse IgG1 κ **Uniprot:**[P50283](https://www.uniprot.org/uniprot/P50283) (<https://www.uniprot.org/uniprot/P50283>)**Host:**

Mouse

Species Reactivity:

Mouse

Specificity:

Clone T3-3A1 recognizes an epitope on human CD7.

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:

CD7 is expressed on T cells, NK cells, thymocytes, hematopoietic progenitors, some normal B cells, malignant B cells, acute lymphocytic leukemia (ALL) cells, and some acute myeloid leukemia (AML) cells. It is weakly expressed on monocytes.

Background:

CD7 is a 40 kD type I transmembrane glycoprotein and is a member of the Ig superfamily. It plays a vital role in T-cell interactions, in addition to, T-cell/B-cell interaction during early lymphoid development, and has been shown to interact with PIK3R1. Functional studies indicate that crosslinking of the CD7 can stimulate transmembrane calcium flux in T cells. Lack of CD7 expression can help to diagnose T-cell lymphoproliferative disorders, such as mycosis fungoides/Sezary syndrome and adult T-cell leukemia/lymphoma.

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:

≤ 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 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:

Flow cytometry, Immunofluorescence

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.