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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

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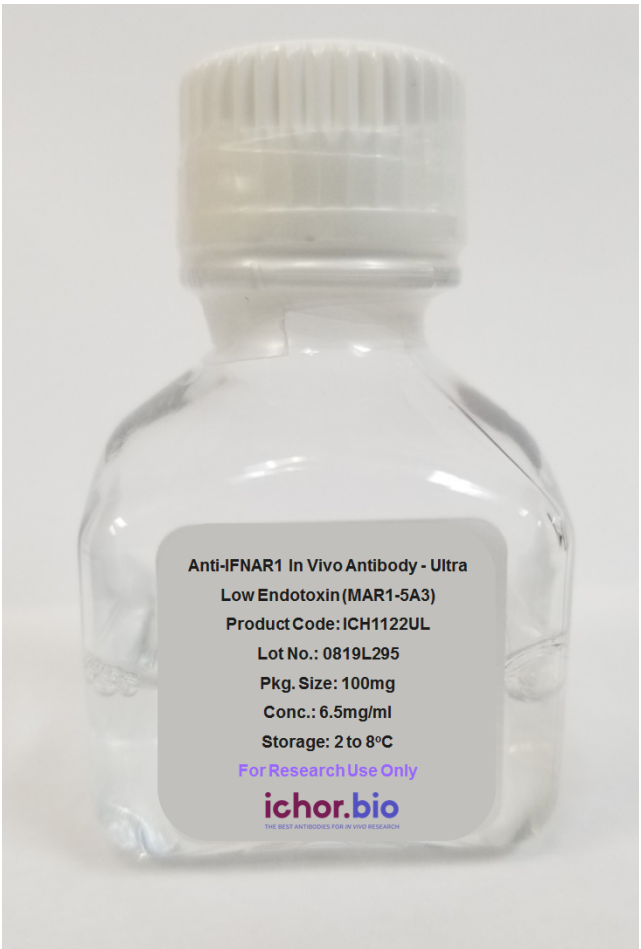
Anti-Human CD3 In Vivo Antibody - Low Endotoxin (UCHT-1) [ICH1002]

SKU: ICH1002
Link: https://www.ichor.bio/product/anti-cd3-in-vivo-antibody-low-endotoxin-ucht-1-ich1002/



Product Information

Category: anti-human, Low Endotoxin
Size: 1mg, 5mg, 25mg, 50mg, 100mg
Endotoxin Level: Low, Ultra low

Product Description

Product Benefits:

ichorbio's anti-CD3 In Vivo Antibody - Low Endotoxin (UCHT-1) 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/) 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:

CD3

Clone:

UCHT-1

Isotype:

Mouse IgG1

Other Names:

CD3 epsilon chain, CD3E, T-cell surface antigen T3/Leu-4 epsilon chain

Uniprot:

P07766 (https://www.uniprot.org/uniprot/P07766)

Host:

Mouse

Species Reactivity:

Human

Specificity:

Anti-CD3 In Vivo Antibody - Low Endotoxin (UCHT-1) recognizes Human CD3. anti-Human CD3 recognizes a (Mr 22-28 kDa) T-cell surface glycoprotein. The epitope recognized by the CD3 antibody is expressed on a constant region of the epsilon chain of the CD3 antigen/T-cell receptor complex (TCR)

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 CD3 antigen is expressed on approximately 60-80% of human peripheral blood lymphocytes, 20-40% of splenic lymphocytes, the majority of T-CLL and approximately 70% of T-ALL Cells.

Background:

Anti-CD3 may be used for enumerating immunocompetent T-lymphocytes in peripheral blood. Clone UCHT-1 is also useful in histology for localization of T-

lymphocytes in tissue and may be used to enrich T-cells by cell sorting. This T-cell marker has also been used to determine T-versus B-cell lymphomas and leukemias. The UCHT-1 clone is recognized in the human leukocyte differentiation antigen workshop III 471.

Immunogen:

Unknown

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%

Storage:

anti-CD3 In Vivo Antibody - Low Endotoxin (UCHT-1) 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, Immunoprecipitation, Western Blot

Application Notes:

Flow Cytometry: It is recommended to use the indirect method for signal enhancement when enumerating cells expressing CD3. A suggested method would be to stain cells expressing CD3 with 2.0 µg per million cells in a total staining volume of 100 µl followed by Goat Anti-Mouse IgG (H&L)-R-phycoerythrin.
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:

Mouse IgG1 Isotype Control for In Vivo - Low Endotoxin [HKSP] (ICH2247) (http://www.ichor.bio/product/Mouse-IgG1-Isotype-Control-for-In-Vivo-Low-

Endotoxin-HKSP-ICH2247)

Antibodies against the same target:

Anti-CD3 In Vivo Antibody - Low Endotoxin [HIT3a] (ICH1003) (http://www.ichor.bio/product/Anti-CD3-In-Vivo-Antibody-Low-Endotoxin-HIT3a-ICH1003), Anti-CD3 In Vivo Antibody - Low Endotoxin [17A2] (ICH1039) (http://www.ichor.bio/product/Anti-CD3-In-Vivo-Antibody-Low-Endotoxin-17A2-ICH1039)