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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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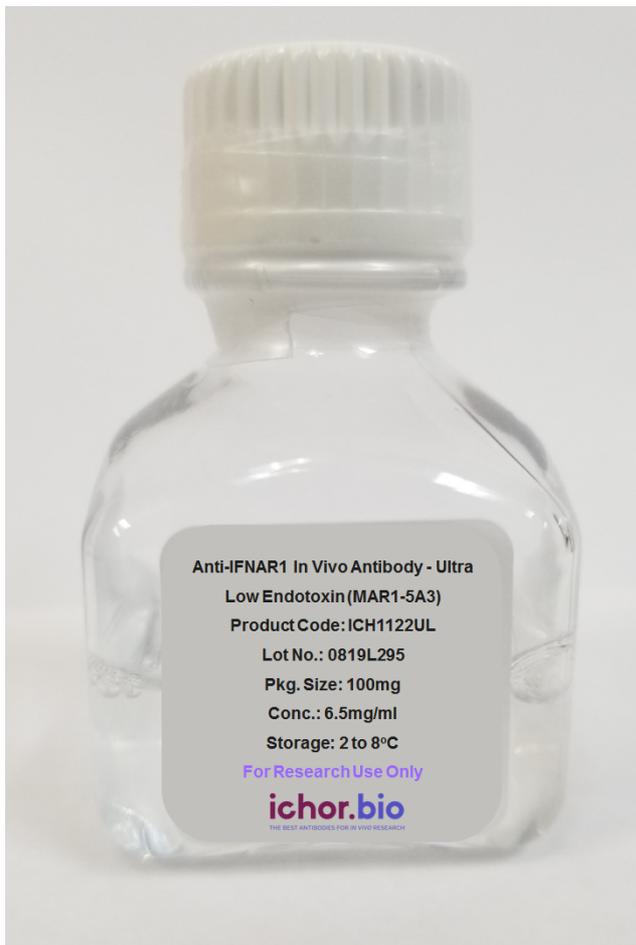
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Anti-Human CD8 In Vivo Antibody - Low Endotoxin (UCHT-4) [ICH1005]

SKU: ICH1005

Link: <https://www.ichor.bio/product/anti-cd8-in-vivo-antibody-low-endotoxin-ucht-4-ich1005/>



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-CD8 In Vivo Antibody - Low Endotoxin (UCHT-4) 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/) (<http://www.ichor.bio/amazon-vouchers/>) for more information. ichorbio: the best antibodies for *in vivo* research.

Target:

CD8

Clone:

UCHT-4

Isotype:

Mouse IgG2a

Host:

Mouse

Species Reactivity:

Human

Specificity:

Anti-CD8 In Vivo Antibody - Low Endotoxin (UCHT-4) recognizes Human CD8. Anti-Human CD8 recognizes a T-cell glycoprotein cell surface complex (Mr 32 kDa) which defines the cytotoxic/suppressor population of mature T-lymphocytes. The CD8 complex interacts with class I MHC molecules resulting in increased adhesion between CD8+ T-lymphocytes and their target cells. Binding of the CD8 antigen to Class I MHC molecules enhances T-cell activation. The cytoplasmic portion of the CD8 antigen is associated with a protein tyrosine kinase (p56lck).

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 CD8 antigen is expressed on approximately 19-48% of normal human peripheral blood lymphocytes and > 90% of normal thymocytes. It is also present on a subset of NK cells. Subjects infected with HIV have been shown to exhibit increased levels of CD8+ lymphocytes with a continual decrease in CD4+ lymphocytes.

Background:

Anti-CD8 may be used in studies of immunoregulation and T-lymphocyte mediated suppression, autoimmune disorders, immunodeficiency states and acute lymphoblastic leukemia and lymphoma.

Concentration:

1.0 - 5.0 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-CD8 In Vivo Antibody - Low Endotoxin (UCHT-4) 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, Western Blot, Functional Assays

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.

Isotype Control:

[Mouse IgG2a In Vivo Isotype Control - Low Endotoxin \[C1.18.4\] \(ICH2245\)](http://www.ichor.bio/product/Mouse-IgG2a-In-Vivo-Isotype-Control-Low-Endotoxin-C1.18.4-ICH2245)

[.\(http://www.ichor.bio/product/Mouse-IgG2a-In-Vivo-Isotype-Control-Low-Endotoxin-C1.18.4-ICH2245\)](http://www.ichor.bio/product/Mouse-IgG2a-In-Vivo-Isotype-Control-Low-Endotoxin-C1.18.4-ICH2245)

Antibodies against the same target:

[Anti-CD8 In Vivo Antibody - Low Endotoxin \[YTS-169\] \(ICH1043\)](http://www.ichor.bio/product/Anti-CD8-In-Vivo-Antibody-Low-Endotoxin-YTS-169-ICH1043)

[.\(http://www.ichor.bio/product/Anti-CD8-In-Vivo-Antibody-Low-Endotoxin-YTS-169-ICH1043\)](http://www.ichor.bio/product/Anti-CD8-In-Vivo-Antibody-Low-Endotoxin-YTS-169-ICH1043), [Anti-CD8 In Vivo Antibody - Ultra Low Endotoxin \[YTS-169\] \(ICH1043UL\)](http://www.ichor.bio/product/Anti-CD8-In-Vivo-Antibody-Ultra-Low-Endotoxin-YTS-169-ICH1043UL)

[.\(http://www.ichor.bio/product/Anti-CD8-In-Vivo-Antibody-Low-Endotoxin-YTS-169-ICH1043\)](http://www.ichor.bio/product/Anti-CD8-In-Vivo-Antibody-Low-Endotoxin-YTS-169-ICH1043)