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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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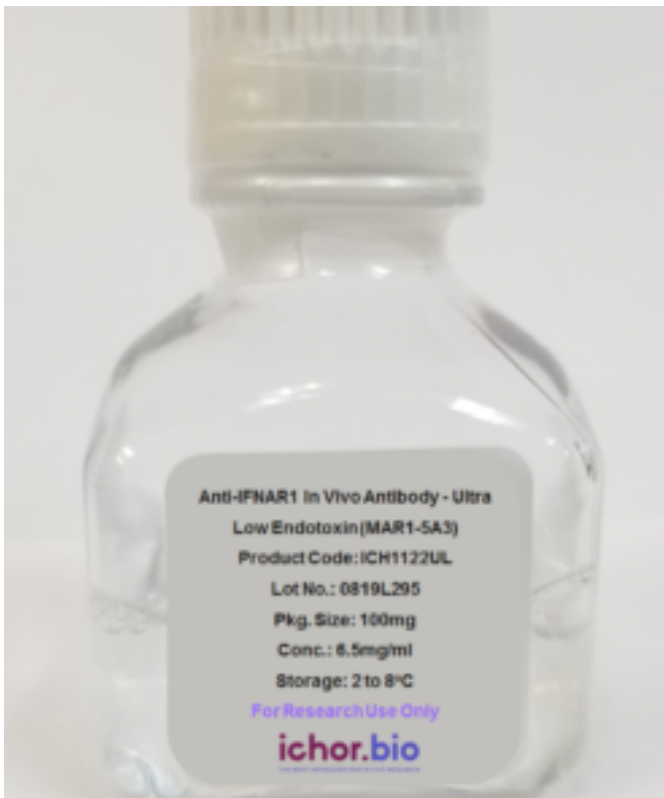
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Anti-Mouse CD64 In Vivo Antibody - Low Endotoxin (10.1) [ICH1167]

SKU: ICH1167

Link: <https://www.ichor.bio/product/anti-mouse-cd64-in-vivo-antibody-low-endotoxin-10-1-ich1167/>



Product Information

Category: anti-human, Blocking, Flow Cytometry, Functional Assays, IHC (Frozen), Immunofluorescence, Immunoprecipitation, Low Endotoxin, Ultra Low Endotoxin

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

Endotoxin Level: Low, Ultra low

Product Description

Product Benefits:

ichorbio's anti- CD64 In Vivo Antibody - Low Endotoxin (10.1) 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

(<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:

CD64

Other names:

Fc-gamma receptor 1, FcγRI, Fc Gamma Receptor Ia, Fc-Gamma RIA, CD64

Clone:

10.1

Size:

ichorbio's 10.1 *in vivo* antibody is available in the following bulk sizes: 1mg, 5mg, 25mg, 50mg and 100mg ichorbio regularly manufactures multi-gram amounts of our anti-CD64 10.1 clone - please contact us for pricing.

Isotype:

Mouse IgG1 κ

Uniprot:[P12314 \(https://www.uniprot.org/uniprot/P12314\)](https://www.uniprot.org/uniprot/P12314)**Host:**

Mouse

Species Reactivity:

Human

Specificity:

Clone 10.1 recognizes an epitope on human FcγRI

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:

FcγRI (CD64) is an IgG receptor expressed by monocytes and myeloid cell lines.

Background:

Fc gamma receptors (FcγRs) are membrane-bound proteins which control and mediate communication of IgG antibodies within the immune system. These receptors play a crucial role in the link between the innate and adaptive immune system. FcγRI, CD64, is expressed on dendritic cells, macrophages/monocytes, and granulocytes. Of the FcγRs, FcγRI is capable of interacting with monomeric IgG with relatively high affinity.

Immunogen:

Rheumatoid synovial fluid cells and fibronectin purified human monocytes

Concentration:

>2.0 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:

Blocking, Functional Assays, Flow Cytometry, Immunofluorescence, Immunohistochemistry - Frozen, Immunoprecipitation

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.