Bulk Anti-Human CD64 (10.1) Antibody

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Product Benefits:

ichorbio's bulk anti-human CD64 antibody (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 Bio X Cell 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 (0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

Target:

CD64

Other names:

Fc-gamma receptor 1, Fc?RI, 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 ?

Uniprot:

P12314

Host:

Mouse

Species Reactivity:

Human

Specificity:

Clone 10.1 recognizes an epitope on human Fc?RI

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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:

Fc?RI (CD64) is an IgG receptor expressed by monocytes and myeloid cell lines.

Background:

Fc gamma receptors (Fc?Rs) 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. Fc?RI, CD64, is expressed on dendritic cells, macrophages/monocytes, and granulocytes. Of the Fc?Rs, Fc?RI 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

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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:

TThis antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -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:

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Alternative Names:

- CD 64 antibody
- CD64 antibody
- CD64 antigen antibody
- CD64A antibody
- CD64b antibody
- CD64c antibody
- Fc fragment of IgG high affinity Ia receptor antibody
- Fc fragment of IgG high affinity Ib receptor antibody
- Fc fragment of IgG high affinity Ic receptor antibody
- Fc fragment of IgG, high affinity Ia, receptor (CD64) antibody
- Fc fragment of IgG, high affinity Ia, receptor for (CD64) antibody
- Fc fragment of IgG, high affinity Ia, receptor for antibody
- Fc fragment of IgG, high affinity Ib, receptor (CD64) antibody
- Fc fragment of IgG, high affinity Ib, receptor for antibody
- Fc fragment of IgG, high affinity Ic, receptor (CD64) antibody
- Fc fragment of IgG, high affinity Ic, receptor (CD64), pseudogene antibody
- Fc fragment of IgG, high affinity Ic, receptor for antibody
- Fc gamma receptor antibody
- Fc gamma receptor I A1 antibody
- Fc gamma receptor I antibody
- Fc gamma receptor I B2 antibody
- Fc gamma RI antibody
- Fc gamma RIA antibody

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- Fc gamma RIB antibody
- Fc of IgG high affinity Ia receptor antibody
- Fc-gamma RI antibody
- Fc-gamma RIA antibody
- Fc-gamma RIC antibody
- FCG 1 antibody
- FCG1 antibody
- FcgammaRI antibody
- FcgammaRIa antibody
- FCGR 1 antibody
- FCGR1 antibody
- FCGR1_HUMAN antibody
- FCGR1A antibody
- FCGR1B antibody
- FCGR1C antibody
- FcRI antibody
- FcRIB antibody
- FCRIC antibody
- FLJ18345 antibody
- HFcgammaRIB antibody
- High affinity immunoglobulin gamma Fc receptor I antibody
- High affinity immunoglobulin gamma Fc receptor IB antibody
- IGFR 1 antibody
- IGFR1 antibody
- IGFRB antibody
- IGFRC antibody
- IgG Fc receptor I antibody
- IgG Fc receptor IB antibody
- IgG Fc receptor IC antibody
- Immunoglobulin G Fc receptor I antibody
- Immunoglobulin G Fc receptor IB antibody
- Immunoglobulin G Fc receptor IC antibody
- MGC137713 antibody

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