

Anti-Mouse CD32/CD16 (2.4G2) In Vivo Antibody - Low Endotoxin

Product Code: ICH1056

Bulk anti-CD32/CD16 In Vivo Antibody - Low Endotoxin (2.4G2)

Bio X Cell:

ICH1056 is [up to 37% cheaper](#) for industry than the equivalent product from Bio X Cell (BE0307). **Product Benefits:**

ichorbio's anti-CD32/CD16 In Vivo Antibody - Low Endotoxin (2.4G2) 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:

CD32/CD16

Clone:

2.4G2

Size:

ichorbio's 2.4G2 *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-CD32/CD16 2.4G2 clone - please contact us for pricing.

Isotype:

Rat IgG2b

Other Names:

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Low affinity immunoglobulin gamma Fc region receptor II, Fcgr2, Fc-gamma-RIIB, FcRII, IgG Fc receptor II beta, Ly-17, Low affinity immunoglobulin gamma Fc region receptor III, Fcgr3, FcRIII, Fc-gamma RIII

Uniprot:

[P08508](#)

Host:

Rat

Species Reactivity:

Mouse

Specificity:

Anti-CD32/CD16 In Vivo Antibody - Low Endotoxin (2.4G2) recognizes the FcγII and FcγIII receptors

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 Fc gamma II/III receptors are present on mouse natural killer cells, monocytes, macrophages, granulocytes, B-cells and most fetal thymocytes.

Background:

CD16 is a low-affinity IgG Fc receptor III and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses. Clone 2.4G2 antibody is used in flow cytometry staining experiments to prevent non-specific binding of IgG to the FcγIII and FcγII, and possibly FcγI, receptors prior to staining with antigen-specific primary antibodies. The Fab fragments of the 2.4G2 antibody have also been used to block Fc receptors *in vivo*.

Concentration:

0.5 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:

This 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:

Western Blot, Blocking, Flow cytometry, IHC (Frozen), Immunoprecipitation, CODEX

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications.

Use:



Products are for research use only.

Isotype Control:

[Rat IgG2b In Vivo Isotype Control - Low Endotoxin \[1-2\] \(ICH2243\)](#)

Antibodies against the same target:

[Anti-CD16 In Vivo Antibody - Low Endotoxin \[3G8\] \(ICH1010\)](#)