

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

**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:**

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 Fc $\gamma$ II and Fc $\gamma$ III 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 Fc $\gamma$ III and Fc $\gamma$ II, and possibly Fc $\gamma$ I, 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 \[3G8\] \(ICH1010\)](#)