

Anti-Mouse CD44 (IM7) In Vivo Antibody - Low Endotoxin

Product Code: ICH1115

Bulk anti-CD44 In Vivo Antibody - Low Endotoxin (IM7)

Bio X Cell:

ICH1115 is [up to 37% cheaper](#) for industry than the equivalent product BE0039 from Bio X Cell. **Product Benefits:**

ichorbio's anti-CD44 In Vivo Antibody - Low Endotoxin (IM7) is manufactured in a cGMP compliant 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:

CD44

Clone:

IM7

Size:

ichorbio's IM7 *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-CD44 IM7 clone - please contact us for pricing.

Isotype:

Rat IgG2b

Other Names:

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Extracellular matrix receptor III, ECMR-III, GP90 lymphocyte homing/adhesion receptor, HUTCH-I, Hermes antigen, Hyaluronate receptor, Lymphocyte antigen 24, Ly-24, Phagocytic glycoprotein 1, PGP-1, Phagocytic glycoprotein I, PGP-I

Uniprot:

[P15379](#)

Host:

Rat

Species Reactivity:

Mouse

Specificity:

Anti-CD44 In Vivo Antibody - Low Endotoxin (IM7) recognizes an epitope common to alloantigens & all isoforms of CD44, that is located between amino acids 145 and 186

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 CD44 antigen is present on B-cells, monocytes, macrophages and certain subsets of thymocytes and peripheral T-cells. Mice with the Ly-24.1 allotype have high densities of CD44+ T-cells, while Ly-24.2 strains are low expressors. The antibody cross reacts with: Ms+, Hu+, Bov+, Mky+, Bab+, Dog+, Cat, Porcine

Background:

CD44 is a 80-95 kD glycoprotein also known as Hermes, Pgp1, H-CAM, or HUTCH. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. As B and T cells become activated or progress to the memory stage, CD44 expression increases from low or mid levels to high levels. Clone IM7 antibody has been shown to neutralize CD44 in vivo

Immunogen:

Dexamethasone-induced myeloid leukemia M1 cells

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 $\leq 5\%$

Aggregation level $\leq 1\%$

IMPACT Pathogen Test:

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our rat antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Rat parvovirus Lymphocytic choriomeningitis virus Rat cytomegalovirus Sendai virus Rat coronavirus Sialodacryoadenitis virus Rat minute virus Seoul virus Mouse adenovirus Reovirus 3 Rat theilovirus

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:

Immunoprecipitation, Western Blot, Flow Cytometry, CyTOF, IHC (Frozen), ELISA, Functional Assays

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 \[1-2\] \(ICH2243\)](#)

Alternative Names:

- LHR antibody
- BA-1 antibody
- CD 44 antibody
- CD44 antibody
- CD44 antigen antibody
- CD44 molecule (Indian blood group) antibody
- CD44 molecule antibody
- CDw44 antibody
- CDW44 antigen antibody
- Cell surface glycoprotein CD44 antibody
- Chondroitin sulfate proteoglycan 8 antibody
- CSPG8 antibody
- ECMR-III antibody
- Epican antibody
- Extracellular matrix receptor III antibody
- GP90 lymphocyte homing/adhesion receptor antibody
- HCELL antibody
- Hematopoietic cell E- and L-selectin ligand antibody

- Heparan sulfate proteoglycan antibody
- Hermes antigen antibody
- homing function and Indian blood group system antibody
- HSA antibody
- HUTCH-I antibody
- HUTCH1 antibody
- HUTCHI antibody
- Hyaluronate receptor antibody
- IN antibody
- INLU-related p80 Glycoprotein antibody
- MC56 antibody
- MDU2 antibody
- MDU3 antibody
- MGC10468 antibody
- MIC4 antibody
- MUTCH I antibody
- MUTCH1 antibody
- PGP-1 antibody
- PGP-I antibody
- PGP1 antibody
- Phagocytic glycoprotein 1 antibody
- Phagocytic glycoprotein I antibody
- Soluble CD44 antibody