

Anti-CD45R (RA3-6B2) In Vivo Antibody - Low Endotoxin

Bulk anti-CD45R In Vivo Antibody - Low Endotoxin (RA3-6B2)

Product Benefits:

ichorbio's anti-CD45R In Vivo Antibody - Low Endotoxin (RA3-6B2) 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:

CD45R

Clone:

RA3-6B2

Isotype:

Rat IgG2a

Other Names:

Leukocyte common antigen, L-CA, T200, CD45, Receptor-type tyrosine-protein phosphatase C, PTPRC, B220

Uniprot:

[P08575](#)

Host:

Rat

Species Reactivity:

Mouse, Human

Specificity:

Anti-CD45R In Vivo Antibody - Low Endotoxin (RA3-6B2) recognizes the B-cell determinant (Mr 220 kD) of the CD45 molecule.

Antigen Distribution:

The CD45R antigen is present on mouse B-cells, B-cell precursors, T cell subset, NK cell subsets .

Background:

CD45R, also known as B220 is a 220 kDa transmembrane protein tyrosine phosphatase expressed on B cells and some subsets of T and NK cells. This antibody is commonly used as a B cell marker as CD45R does play a critical role in TCR and BCR signaling.

Immunogen:

Abelson murine leukemia virus-induced pre-B tumor 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 ? 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 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:

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

Application Notes:

Functional Assay: In vivo treatment with anti-CD45R (Clone RA3-6B2) reduces the number of T and B cells and modifies their functional activity. Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Isotype Control:

[Rat IgG2a In Vivo Isotype Control - Low Endotoxin \[1-1\] \(ICH2244\)](#)

Antibodies against the same target:

[Anti-CD45 In Vivo Antibody - Low Endotoxin \[I3/2.3\] \(ICH1057\)](#)

Alternative Names:

- B220 antibody
- CD 45 antibody
- CD45 antibody
- CD45 antigen antibody
- CD45R antibody
- GP180 antibody
- L-CA antibody
- LCA antibody
- Leukocyte common antigen antibody
- loc antibody
- Ly-5 antibody
- LY5 antibody
- Ly5, homolog of antibody
- LYT-4 antibody
- OTTHUMP00000033813 antibody
- OTTHUMP00000033816 antibody
- OTTHUMP00000033817 antibody
- OTTHUMP00000038574 antibody
- Protein tyrosine phosphatase receptor type c polypeptide antibody
- Protein tyrosine phosphatase, receptor type C antibody
- protein tyrosine phosphatase, receptor type, C antibody

- Protein tyrosine phosphatase, receptor type, c polypeptide antibody
- Ptprc antibody
- PTPRC_HUMAN antibody
- Receptor-type tyrosine-protein phosphatase C antibody
- T200 antibody
- T200 glycoprotein antibody
- T200 leukocyte common antigen antibody