



Anti-CD45R In Vivo Antibody – Low Endotoxin (RA3-6B2) [ICH1130]

Description

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 our [competitors](#) 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 (<0.75EU/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. Not for use in diagnostic or therapeutic procedures.

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 \[I3/2.3\] \(ICH1057\)](#)