



Anti-Mouse CD8a In Vivo Antibody – Low Endotoxin (2.43) [ICH1045]

Description

Bulk anti-CD8a In Vivo Antibody – Low Endotoxin (2.43)

Bio X Cell:

ICH1045 is [up to 30% cheaper](#) for academia & non-profits and [up to 55% cheaper](#) for industry than the equivalent product from Bio X Cell (BE0061). ICH1045UL is up to 31% cheaper for academia and up to 56% cheaper than the ultra-low endotoxin version from Bio X Cell (BP0061).

Product Benefits:

ichorbio's anti-CD8a In Vivo Antibody – Low Endotoxin (2.43) 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 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:

CD8a

Clone:

2.43

Size:

ichorbio's 2.43 *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-CD8a 2.43 clone – please contact us for pricing.

Isotype:

Rat IgG2b

Other Names:

CD8 alpha chain, Lyt-2, Lyt2

Uniprot:

[P01731](#)

Host:

Rat

Species Reactivity:

Mouse

Specificity:

Anti-CD8a In Vivo Antibody – Low Endotoxin (2.43) recognizes an epitope on Mouse CD8a

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:

CD8a (Ly 2.2) is present on the surface of most thymocytes and a subpopulation of mature T-lymphocytes which include most T suppressor/cytotoxic-cells. CD8 participates in T-cell activation through its association with the T-cell receptor complex and protein tyrosine kinase lck.

Concentration:

1.0 – 5.0 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:

Immunoprecipitation, Western Blot, Flow Cytometry, Immunofluorescence, Functional Assays

Application Notes:

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

Antibodies against the same target:

[Anti-CD8a In Vivo Antibody – Low Endotoxin \[53-6.7\] \(ICH1044\)](#), [Anti-CD8a In Vivo Antibody – Ultra Low Endotoxin \[53-6.7\] \(ICH1044UL\)](#)