

Anti-Mouse CD8a (2.43) In Vivo Antibody - Low Endotoxin

Product Code: ICH1045

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

Product Specific Citations:

[Tang, Dongyang et al. Augment proteasome inhibitor efficacy activates CD8+ T cell-mediated antitumor immunity in breast cancer. Cell Reports Medicine, Volume 6, Issue 7, 102211](#)

Bio X Cell:

ICH1045 is [up to 37% cheaper](#) for industry than the equivalent product from Bio X Cell (BE0061). ICH1045UL is up to 36% 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 [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:

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 $\leq 5\%$

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

Antibodies against the same target:

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

Alternative Names:

- alpha polypeptide (p32) antibody
- CD_antigen=CD8a antibody
- CD8 antibody
- CD8 antigen alpha polypeptide antibody
- CD8 antigen alpha polypeptide (p32) antibody
- CD8 antigen, alpha polypeptide (p32) antibody
- CD8a antibody
- CD8A antigen antibody
- CD8A molecule antibody
- Leu2 antibody
- Leu2 T lymphocyte antigen antibody
- Ly 2 antibody
- Ly 35 antibody
- Ly B antibody
- Ly2 antibody
- Ly3 antibody
- Ly35 antibody

- LyB antibody
- Lyt 2.1 lymphocyte differentiation antigen (AA at 100) antibody
- LYT3 antibody
- MAL antibody
- OKT8 T cell antigen antibody
- OTTHUMP00000160760 antibody
- OTTHUMP00000160764 antibody
- OTTHUMP00000203528 antibody
- OTTHUMP00000203721 antibody
- p32 antibody
- T cell antigen Leu2 antibody
- T cell co receptor antibody
- T lymphocyte differentiation antigen T8/Leu 2 antibody
- T-cell surface glycoprotein CD8 alpha chain antibody
- T-cell surface glycoprotein Lyt 2 antibody
- T-lymphocyte differentiation antigen T8/Leu-2 antibody
- T8 T cell antigen antibody
- T8/Leu-2 T-lymphocyte differentiation antigen antibody