



## Anti-Mouse CD8a In Vivo Antibody – Low Endotoxin (53-6.7) [ICH1044]

### Description

## Bulk anti-CD8a In Vivo Antibody – Low Endotoxin (53-6.7)

Bio X Cell:

ICH1044 is [up to 30% cheaper](#) for academia & non-profits and [up to 55% cheaper](#) for industry than the equivalent product from Bio X Cell (BE0004-1). ICH1044UL is up to 31% cheaper for academia and up to 56% cheaper for industry than BP0004-1 from Bio X Cell.

Product Benefits:

ichorbio's anti-CD8a In Vivo Antibody – Low Endotoxin (53-6.7) 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:

53-6.7

Size:

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ichorbio's 53-6.7 *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 53-6.7 clone – please contact us for pricing.

Isotype:

Rat IgG2a

Other Names:

CD8 alpha chain, Lyt-2, Lyt2

Uniprot:

[P01731](#)

Host:

Rat

Species Reactivity:

Mouse

Specificity:

Anti-CD8a In Vivo Antibody – Low Endotoxin (53-6.7) recognizes Lyt 2, lymphocyte differentiation antigen. The antibody precipitates 44 kDa and 33 kDa proteins and reacts with non-polymorphic determinant.

Antigen Distribution:

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.

Background:

CD8, a.k.a Lyt-2, Ly-2, or T8, consists of disulfide-linked A and  $\beta$  chains that form the A(CD8a)/ $\beta$ (CD8b) heterodimer and A/A homodimer. CD8a is a 34 kD protein that belongs to the immunoglobulin family. The CD8 A/ $\beta$  heterodimer is expressed on the surface of most thymocytes and a subset of mature TCR A/ $\beta$  T cells.

Immunogen:

Mouse thymus or spleen

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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

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## 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)

## Application Notes:

Immunoprecipitation: Rat Anti-Mouse CD8a (Clone 53-6.7) precipitates 44 kDa and 33 kDa proteins. 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-CD8a In Vivo Antibody – Low Endotoxin \[2.43\] \(ICH1045\)](#), [Anti-CD8a In Vivo Antibody – Ultra Low Endotoxin \[2.43\] \(ICH1045UL\)](#)