

# Anti-Mouse CD8a (53-6.7) In Vivo Antibody - Low Endotoxin

**Product Code:** ICH1044

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

## **Bio X Cell:**

ICH1044 is [up to 37% cheaper](#) for industry than the equivalent product from Bio X Cell (BE0004-1). ICH1044UL is up to 36% 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 [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:**

53-6.7

## **Size:**

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

**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, 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.

## 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 \[2.43\] \(ICH1045UL\)](#)

## 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