

Anti-Mouse CD8 (YTS-169) In Vivo Antibody - Low Endotoxin

Product Code: ICH1043

Bulk anti-CD8 In Vivo Antibody - Low Endotoxin (YTS-169)

Product Specific Citations:

[Cao et al. Injectable hydrogel loaded with lysed OK-432 and doxorubicin for residual liver cancer after incomplete radiofrequency ablation. Journal of Nanobiotechnology](#)

Product Benefits:

ichorbio's anti-CD8 In Vivo Antibody - Low Endotoxin (YTS-169) 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%).

Target:

CD8

Clone:

YTS-169

Isotype:

Rat IgG2b

Host:

Rat

Species Reactivity:

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Mouse

Specificity:

Anti-CD8 In Vivo Antibody - Low Endotoxin (YTS-169) recognizes an epitope on Mouse CD8

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:

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.

Immunogen:

CBA mouse thymocytes

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:

<0.5 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:

IHC (Frozen), In vivo Depletion, Flow Cytometry, IHC Paraffin, Immunofluorescence

Application Notes:

Immunohistochemistry on Frozen Sections: This antibody should give satisfactory staining results when used on frozen sections but the concentration is assay dependent. 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-CD8 In Vivo Antibody - Low Endotoxin \[UCHT-4\] \(ICH1005\)](#)