

Anti-CD3e (500A2) In Vivo Antibody - Low Endotoxin

Bulk anti-CD3e In Vivo Antibody - Low Endotoxin (500A2)

Product Benefits:

ichorbio's anti-CD3e In Vivo Antibody - Low Endotoxin (500A2) 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:

CD3e

Clone:

500A2

Isotype:

Syrian Hamster IgG2a

Other Names:

T3/Leu-4 epsilon chain, CD3 epsilon chain, CD3e

Host:

Syrian Hamster

Species Reactivity:

Mouse

Specificity:

Anti-CD3e In Vivo Antibody - Low Endotoxin (500A2) recognizes an epitope on Mouse CD3?

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:

The CD3 complex is present on thymocytes and mature T-lymphocytes of all mouse strains tested.

Background:

CD3 subunits gamma, delta and epsilon are required for proper assembly, trafficking and surface expression of the TCR complex.

Immunogen:

Mouse T-cell receptor

Concentration:

1.0 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 hamster antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Hamster parvovirus Lymphocytic choriomeningitis Minute virus of mice Theiler's murine encephalomyelitis virus Sendai virus Reovirus 3 Hantaan virus

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:

ichor.bio // hello@ichor.bio

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

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Functional Assays, Flow Cytometry, IHC (Frozen)

Application Notes:

Functional Assay: Binding of Hamster Anti-Mouse CD3 α (Clone 500 A2) to CD3 initiates the intracellular biochemical pathway resulting in cellular activation and proliferation. Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Antibodies against the same target:

[Anti-CD3e In Vivo Antibody - Ultra Low Endotoxin \[145-2C11\] \(ICH1041UL\)](#), [Anti-CD3e In Vivo Antibody - Low Endotoxin \[145-2C11\] \(ICH1041\)](#)