

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:

Functional Assays, Flow Cytometry, IHC (Frozen)

Application Notes:

Functional Assay: Binding of Hamster Anti-Mouse CD3? (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 \[145-2C11\] \(ICH1041\)](#)