

Anti-CD3e (145-2C11) In Vivo Antibody - Low Endotoxin

Product Code: ICH1041

Bulk anti-CD3e In Vivo Antibody - Low Endotoxin (145-2C11)

Bio X Cell:

ICH1041 is [up to 37% cheaper](#) for industry than the equivalent products BE0001-1 (low endotoxin) and BP0001-1 (ultra-low endotoxin) from Bio X Cell. **Product Benefits:**

ichorbio's anti-CD3e In Vivo Antibody - Low Endotoxin (145-2C11) is manufactured in a cGMP compliant 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:

145-2C11

Size:

ichorbio's 145-2C11 *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-CD3e 145-2C11 clone - please contact us for pricing.

Isotype:

Armenian Hamster IgG

Other Names:

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

Host:

Armenian Hamster

Species Reactivity:

Mouse

Specificity:

Anti-CD3e In Vivo Antibody - Low Endotoxin (145-2C11) recognizes an epitope on Mouse CD3e

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 (differentiation dependent), mature T cells, NK-T cells of all mouse strains tested.

Background:

CD3e is a 20 kD transmembrane protein and is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.

Immunogen:

H-2Kb-specific mouse cytotoxic T lymphocyte clone BM10-37

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 $\leq 5\%$

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 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:

Immunoprecipitation, Blocking

Application Notes:

Blocking: The 145-2C11 antibody has been reported to block the binding of 17A2 antibody to CD3 epsilon-specific T cells. Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Isotype Control:

[Armenian Hamster IgG Isotype Control for In Vivo - Low Endotoxin \[PIP\] \(ICH2251\)](#)

Antibodies against the same target:

[Anti-CD3e In Vivo Antibody - Low Endotoxin \[500A2\] \(ICH1040\)](#), [Anti-CD3e In Vivo Antibody - Ultra Low Endotoxin \[500A2\] \(ICH1040UL\)](#)

Alternative Names:

- CD3 epsilon antibody
- CD3e antibody
- CD3e antigen antibody
- CD3e antigen epsilon polypeptide (TiT3 complex) antibody
- CD3E antigen epsilon polypeptide antibody
- CD3E antigen, epsilon subunit antibody
- CD3e molecule epsilon antibody
- CD3e molecule, epsilon (CD3 TCR complex) antibody
- CD3e molecule, epsilon (CD3-TCR complex) antibody
- IMD18 antibody
- T cell antigen receptor complex epsilon subunit of T3 antibody
- T cell surface antigen T3/Leu 4 epsilon chain antibody
- T cell surface glycoprotein CD3 epsilon chain antibody
- T-cell surface antigen T3/Leu-4 epsilon chain antibody
- T-cell surface glycoprotein CD3 epsilon chain antibody
- T3E antibody
- TCRE antibody