

Anti-Mouse TCR Gamma/Delta (UC7-13D5) In Vivo Antibody - Low Endotoxin

Product Code: ICH1035

Bulk anti-TCR gamma/delta In Vivo Antibody - Low Endotoxin (UC7-13D5)

Bio X Cell:

ICH1035 is [up to 37% cheaper](#) for industry than the equivalent product BE0070 from Bio X Cell.

Product Benefits:

ichorbio's anti-TCR gamma/delta In Vivo Antibody - Low Endotoxin (UC7-13D5) 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:

TCR gamma/delta

Clone:

UC7-13D5

Size:

ichorbio's UC7-13D5 *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-TCR gamma / delta UC7-13D5 clone - please contact us for pricing.

Isotype:

Armenian Hamster IgG

Other Names:

TCR gamma chain, TCR delta chain

Host:

Armenian Hamster

Species Reactivity:

Mouse

Antigen Distribution:

gamma/delta TCR expression is observed on a subset of cells in the thymus, intestinal epithelium, skin, liver, peripheral lymphoid tissues, and peritoneum. The gamma/delta TCR is involved in the antigen recognition of some bacterial or tumor-associated antigens presented by MHC class I.

Background:

The T cell receptor or TCR is a molecule found on the surface of T lymphocytes that is responsible for recognizing antigens bound to major histocompatibility complex (MHC) molecules. It is a heterodimer consisting of an alpha and beta chain in 95% of T cells, while 5% of T cells have TCRs consisting of gamma and delta chains. Engagement of the TCR with antigen and MHC results in activation of its T lymphocyte through a series of biochemical events mediated by associated enzymes, co-receptors and specialized accessory molecules.

Immunogen:

Unknown

Concentration:

≥ 2.0 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 $\leq 1\%$

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:

Flow Cytometry, Immunoprecipitation, In vivo Depletion

Application Notes:

In vivo Depletion: This Clone UC7-13D5 has been used for the depletion of TCR gamma/delta T cells in vivo. 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 \[PIP\] \(ICH2251\)](#)

Alternative Names:

- CD_antigen=CD3d antibody
- CD3D antibody
- CD3G antibody
- T cell antigen receptor delta polypeptide antibody
- T cell antigen receptor gamma polypeptide antibody
- T cell rearranging gene gamma antibody
- T cell receptor delta antibody
- T cell receptor delta locus antibody
- T cell receptor gamma antibody
- T cell receptor gamma chain C region PT gamma 1/2 antibody
- T cell receptor gamma cluster antibody
- T cell receptor gamma locus antibody
- T cell receptor T3 delta chain antibody
- T cell receptor, delta (V,D,J,C) antibody
- T cell receptors antibody
- T cell surface glycoprotein CD3 delta chain antibody
- T-cell receptor T3 gamma chain antibody
- T-cell surface glycoprotein CD3 gamma chain antibody
- T3D antibody
- T3G antibody
- TCRD antibody
- TCRDV1 antibody
- TCRG antibody
- TRD antibody
- TRD locus antibody
- TRD@ antibody
- TRG antibody
- TRG locus antibody
- TRGC2 antibody