

Anti-Mouse TCR V Gamma 2 (UC3-10A6) In Vivo Antibody - Low Endotoxin

Product Code: ICH1140

Bulk anti-TCR V gamma 2 In Vivo Antibody - Low Endotoxin (UC3-10A6)

Bio X Cell:

ICH1140 is [up to 37% cheaper](#) for industry than the equivalent product BE0168 from Bio X Cell. **Product Benefits:**

ichorbio's anti-TCR V gamma 2 In Vivo Antibody - Low Endotoxin (UC3-10A6) 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 V gamma 2

Clone:

UC3-10A6

Size:

ichorbio's UC3-10A6 *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 V gamma 2 UC3-10A6 clone - please contact us for pricing.

Isotype:

Armenian Hamster IgG

Other Names:

ichor.bio // hello@ichor.bio

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V gamma 2

Host:

Armenian Hamster

Species Reactivity:

Mouse

Antigen Distribution:

V gamma 2 T-Cell Receptor (TCR)-bearing T lymphocytes make up a significant proportion of gamma delta TCR-bearing cells in the late fetal and adult thymus and adult peripheral lymphoid tissues and lung.

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.

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:



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:

Flow Cytometry, Immunoprecipitation, In vivo Depletion

Application Notes:

Flow Cytometry: It is recommended to use the indirect method for signal enhancement when enumerating cells expressing TCR. A suggested method would be to stain cells expressing TCR with Anti-Mouse TCR at ≤1.0 µg per 1.0 X 10⁶ cells in a 100 µl total staining volume, followed by Goat Anti-Armenian Hamster IgG (H&L)-R-phycoerythrin Each investigator should determine their own optimal working dilution for specific applications.

Use:

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Isotype Control:

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