

Technical Data Sheet

InVivoMAb anti-mouse TCR β



Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

Lot Specific Information

Lot Number: Lot Specific*
Volume: Lot Specific*
Concentration: Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein: Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number: BE0102
Clone: H57-597 (HB218)
Isotype: Armenian hamster IgG
Recommended Isotype Control(s): InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Affinity purified TCR from mouse DO-11.10 cells
Reported Applications: *in vivo* T cell depletion
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: $\leq 1\text{EU/mg}$ ($\leq 0.001\text{EU}/\mu\text{g}$)
Determined by LAL gel clotting assay
Purity: $\geq 95\%$
Determined by SDS-PAGE
Sterility: $0.2\ \mu\text{m}$ filtered
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_10950158](https://europepmc.org/Archival/AB/10950158)
Molecular Weight: 150 kDa

Description

The H57-597 monoclonal antibody reacts with the beta chain of the mouse T cell receptor (TCR). TCR β belongs to the immunoglobulin superfamily and is expressed by thymocytes and T lymphocytes. TCR β combines with TCR α to form TCR α/β . TCR α/β plays a central role in antigen recognition, signal transduction, and T cell activation. The H57-597 antibody has been shown to deplete TCR α/β bearing T cells following *in vivo* administration.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**

It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at <https://bioxcell.com/faqs>.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/be0102?bxcs=9k1b3a#tab_references or scan the QR code

below.



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