Technical Data Sheet

InVivoMAb anti-mouse TCRβ

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:	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μm filtered
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_10950158
Molecular Weight:	150 kDa

Description

The H57-597 monoclonal antibody reacts with the beta chain of the mouse T cell receptor (TCR). TCRβ belongs to the immunoglobulin superfamily and is expressed by thymocytes and T lymphocytes. TCRβ combines with TCRα 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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