

Technical Data Sheet

InVivoMAb anti-mouse TCR γ/δ



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: BE0070
Clone: UC7-13D5
Isotype: Armenian Hamster IgG, κ
Recommended Isotype Control(s): InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer: InVivoPure pH 6.0T Dilution Buffer
Immunogen: Not available or unknown
Reported Applications: *in vivo* TCR γ/δ neutralization
in vitro γ/δ T cell stimulation
in vitro γ/δ T cell purification
Functional assays
Immunoprecipitation
Flow cytometry
Formulation: PBS + 0.01% Tween, pH 6.0
Contains no stabilizers or preservatives
Endotoxin: <2EU/mg (<0.002EU/ μ g)
Determined by LAL gel clotting assay
Purity: >95%
Determined by SDS-PAGE
Sterility: 0.2 μ m filtration
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein A
RRID: [AB_1107751](https://abnova.com/AB_1107751)
Molecular Weight: 150 kDa

Description

The UC7-13D5 monoclonal antibody reacts with an epitope on the mouse γ/δ TCR (gamma delta T cell receptor) complex. The γ/δ TCR is expressed by a subset of T cells found in the thymus, peripheral lymphoid tissues, intestinal epithelium, epidermis, and peritoneum. The exact function, ligand, and specificity of γ/δ TCR-expressing T cells are not completely understood. Studies suggest that these cells recognize bacterial ligands and some tumor cells in the context of MHC class I-like gene products and play a role in regulating the immune response during bacterial infection. The UC7-13D5 antibody has been shown to activate γ/δ T cells *in vitro* and deplete γ/δ T cells when administered *in vivo*.

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/catalogsearch/result/?q=BE0070#tab_references or scan the QR code below.



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