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:	≤1EU/mg (≤0.001EU/μg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 μm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein A
RRID:	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/be0070?bxcs=9k1b3a#tab_references or scan the QR code below.

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