

# Technical Data Sheet

## InVivoMAb anti-rat TCR $\gamma/\delta$



**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: BE0414  
Clone: V65  
Isotype: Mouse IgG1,  $\kappa$   
Recommended Isotype Control(s): InVivoMAb mouse IgG1 isotype control, unknown specificity  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: Rat T Blasts  
Reported Applications: *in vivo*  $\gamma/\delta$  T cell depletion  
Flow cytometry  
Formulation: PBS, pH 7.0  
Contains no stabilizers or preservatives  
Endotoxin: <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
Purity: >95%  
Determined by SDS-PAGE  
Sterility: 0.2  $\mu$ m filtration  
Production: Purified from cell culture supernatant in an animal-free facility  
Purification: Protein G  
RRID:  
Molecular Weight: 150 kDa

### Description

The V65 monoclonal antibody reacts with rat  $\gamma/\delta$  TCR (gamma delta T cell receptor). The  $\gamma/\delta$  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  $\gamma/\delta$  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 II-like gene products and play a role in regulating the immune response during bacterial infection.

### 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.

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*Not for resale.*

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