

# Technical Data Sheet

## InVivoMAb anti-chikungunya virus E2



**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: **BE0421**  
Clone: **CHK-265**  
Isotype: Mouse IgG2c,  $\lambda$   
Recommended Isotype Control(s): InVivoMAb mouse IgG2c isotype control, anti-dengue virus  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: OPY-1 strain of CHIKV and soluble recombinant CHIKV E2 protein  
Reported Applications: Viral entry and egress inhibition  
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 A  
Molecular Weight: 150 kDa

### Description

The CHK-265 monoclonal antibody reacts with a conserved epitope on the B domain of the E2 glycoprotein of chikungunya virus. E2 and E1 glycoproteins on the surface of mature virions facilitate binding and entry through receptor-mediated endocytosis and low-pH-mediated fusion within endosomes. CHK-265 has been shown to protect mice against infection by chikungunya, Mayaro, and O'nyong'nyong alphaviruses. This antibody blocks viral entry and egress.

### 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.

Bio X Cell, LLC  
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