

# Technical Data Sheet

## InVivoSIM anti-human CEACAM6 (Tinurilimab Biosimilar)



**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

<b>Catalog Number:</b>	<b>SIM0063</b>
<b>Clone:</b>	<b>Tinurilimab</b>
<b>Isotype:</b>	Human IgG2, $\kappa$
<b>Recommended Isotype Control(s):</b>	RecombiMAb human IgG2 isotype control, anti-hen egg lysozyme
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Mutations:</b>	KDel
<b>Immunogen:</b>	Human CEACAM6
<b>Reported Applications:</b>	Functional assays ELISA Immunohistochemistry Western blot Flow cytometry
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Endotoxin:</b>	<0.5EU/mg (<0.0005EU/ $\mu$ g) Determined by LAL gel clotting assay
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 $\mu$ m filtration
<b>Production:</b>	Purified from cell culture supernatant in an animal-free facility
<b>Purification:</b>	Protein A
<b>Aggregation:</b>	<5% Determined by SEC
<b>RRID:</b>	
<b>Molecular Weight:</b>	150 kDa

### Murine Pathogen Test Results

Mouse Norovirus: Negative, Mouse Parvovirus: Negative, Mouse Minute Virus: Negative, Mouse Hepatitis Virus: Negative, Reovirus Screen: Negative, Lymphocytic Choriomeningitis virus: Negative, Lactate Dehydrogenase-Elevating Virus: Negative, Mouse Rotavirus: Negative, Theiler's Murine Encephalomyelitis: Negative, Ectromelia/Mousepox Virus: Negative, Hantavirus: Negative, Polyoma Virus: Negative, Mouse Adenovirus: Negative, Sendai Virus: Negative, Mycoplasma Pulmonis: Negative, Pneumonia Virus of Mice: Negative, Mouse Cytomegalovirus: Negative, K Virus: Negative

### Description

This non-therapeutic biosimilar antibody uses the same variable regions as the therapeutic antibody Tinurilimab making it ideal for research use. Tinurilimab is a humanized IgG2 monoclonal antibody that targets CEACAM6 (CD66c), a member of

the carcinoembryonic antigen-related cell adhesion molecule family. CEACAM6 is overexpressed in various epithelial cancers, including non-small cell lung cancer (NSCLC), pancreatic, gastric, colorectal, and breast cancers, and is associated with tumor progression and poor prognosis. CEACAM6 functions as an immune checkpoint regulator, suppressing the activity of effector T-cells against tumors. By binding to CEACAM6, Tinurilimab may enhance anti-tumor immune responses by relieving this suppression. Additionally, CEACAM6 contributes to epithelial-mesenchymal transition (EMT), invasion, and metastasis, making it a valuable target for cancer research. This biosimilar antibody is well-suited for studies involving CEACAM6-mediated signaling, tumor immunology, and the development of CEACAM6-targeted therapies.

## 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/sim0063?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/sim0063?bxcs=9k1b3a#tab_references) or scan the QR code below.



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