

# Technical Data Sheet



## InVivoSIM bispecific anti-human CD3 x CD20 (Epcoritamab 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://biocell.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:** **SIMB0094**  
**Clone:** **Epcoritamab**  
**Isotype:** **Human IgG1**  
**Recommended Dilution Buffer:** **InVivoPure pH 7.0 Dilution Buffer**  
**Reported Applications:** ***in vivo* functional assays**  
***in vitro* functional assays**  
**ELISA**  
**Formulation:** **PBS, pH 7.0**  
Contains no stabilizers or preservatives  
**Endotoxin:** **≤0.5EU/mg (≤0.0005EU/μg)**  
Determined by LAL 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:** **https://doi.org/10.5281/zenodo.5400330**  
**Molecular Weight:** **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 Epcoritamab biosimilar antibody uses the same variable regions as the therapeutic antibody Epcoritamab, making it ideal for research use. Epcoritamab is a full-length bispecific IgG1 antibody that simultaneously targets human CD3 on T cells and human CD20 on B cells. By engaging CD3 and CD20, Epcoritamab redirects and activates T cells against malignant B cells, promoting synapse formation, T-cell activation, cytokine release, and targeted tumor-cell killing. Unlike earlier bispecific formats, this IgG-based architecture provides extended half-life, efficient T-cell engagement, and potent *in vivo* activity. Clinically, Epcoritamab has demonstrated significant efficacy in relapsed or refractory B-cell non-Hodgkin lymphomas, including diffuse large B-cell lymphoma (DLBCL), and works through direct T-cell-mediated cytotoxicity rather than Fc-dependent mechanisms. This Epcoritamab biosimilar is well suited for investigating T-cell redirection, CD3/CD20 synapse biology, B-cell malignancies, immune-cell cytotoxicity, and the mechanistic basis of bispecific antibody 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://biocell.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://biocell.com/simb0094?bxcs=9k1b3a#tab\\_references](https://biocell.com/simb0094?bxcs=9k1b3a#tab_references) or scan the QR code below.



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*Not for resale.*

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