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://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:	**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:	
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://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/simb0094?bxcs=9k1b3a#tab_references or scan the QR code below.

Bio X Cell, LLC
https://bioxcell.com
+1-866-787-3444
customerservice@bioxcell.com

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