

# Technical Data Sheet

## InVivoSIM bispecific anti-human BCMA x CD3 (Elranatamab Biosimilar)



[bioxcell.com](http://bioxcell.com)

**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 Website Link:** <https://bioxcell.com/invivosim-bispecific-anti-human-bcma-x-cd3-elranatamab-biosimilar-simb0111>

### Product Information

**Catalog Number:** SIMB0111  
**Clone:** Elranatamab  
**Isotype:** Human IgG2,  $\kappa$   
**Recommended Isotype Control(s):** RecombiMAb human IgG2 isotype control, anti-hen egg lysozyme  
**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:**  $\leq 0.5$  EU/mg ( $\leq 0.0005$  EU/ $\mu$ g)  
Determined by LAL assay  
**Purity:**  $\geq 95\%$   
Determined by SDS-PAGE  
**Sterility:** 0.2  $\mu$ m filtration  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein A  
**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 Elranatamab biosimilar antibody uses the same variable regions as the therapeutic antibody Elranatamab, making it ideal for research use. Elranatamab is a humanized bispecific antibody that simultaneously targets human CD3 on T cells and B-cell maturation antigen (BCMA; TNFRSF17) on malignant plasma cells. By binding CD3 and BCMA, Elranatamab redirects T cells to BCMA-expressing target cells, promoting immune synapse formation, T-cell activation, cytokine release, and targeted cytotoxicity against malignant plasma cells. This T-cell-engaging mechanism enables potent tumor cell killing independent of native antigen presentation and makes Elranatamab a valuable model for studying BCMA-directed immunotherapy. BCMA is highly expressed on plasma cells and multiple myeloma cells, with more limited expression on

mature B-cell populations, making it an attractive therapeutic target in hematologic malignancies. This Elranatamab biosimilar is well suited for studying T-cell redirection, BCMA-targeted tumor killing, plasma cell biology, multiple myeloma immunotherapy, and the mechanistic basis of CD3-engaging bispecific antibody therapeutics.

## 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/inivosim-bispecific-anti-human-bcma-x-cd3-elranatamab-biosimilar-simb0111?utm\\_source=cr9k1b#tab\\_references](https://bioxcell.com/inivosim-bispecific-anti-human-bcma-x-cd3-elranatamab-biosimilar-simb0111?utm_source=cr9k1b#tab_references) or scan the QR code below.



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