Technical Data Sheet

InVivoSIM anti-human CD37 (Otlertuzumab biosimilar)

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-anti-human-cd37-otlertuzumab-biosimilar-sim0106

Product Information

Catalog Number:	**SIM0106**
Clone:	**Otlertuzumab**
Isotype:	ScFv-Human IgG1 Fc (E356D/M358L)
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Mutations:	E356D/M358L
Immunogen:	Human CD37
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
Aggregation:	<5% Determined by SEC
RRID:	

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

The biosimilar Otlertuzumab antibody uses the same variable regions as the therapeutic molecule Otlertuzumab, making it ideal for research use. Otlertuzumab is an ScFv with human IGG1 Fc containing E356D/M358L CD37-targeting protein therapeutic that binds human CD37, a tetraspanin protein highly expressed on mature B cells and B cell malignancies, including chronic lymphocytic leukemia (CLL) and non-Hodgkin lymphoma. CD37 plays a role in B cell survival, proliferation, and signaling. By binding to CD37, Otlertuzumab induces direct apoptotic signaling and mediates immune effector functions, including antibody-dependent cellular cytotoxicity (ADCC). This Otlertuzumab biosimilar is well suited for studying CD37 biology, B cell malignancies, and mechanisms of targeted B cell depletion and apoptosis.

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/invivosim-anti-human-cd37-otlertuzumab-biosimilar-sim0106?utm_source=cr9k1b#tab_references or scan the QR code below.

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