Technical Data Sheet

InVivoSIM bispecific anti-human PD-1 x TIGIT (Rilvegostomig 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-bispecific-anti-human-pd-1-x-tigit-rilvegostomig-biosimilar-simb0116

Product Information

Catalog Number: SIMB0116

Clone: Rilvegostomig

Isotype: Human IgG1, κ

Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer

Mutations: K214R/L234F/L235E/P331S/Y349C/T366S/L368A/Y407V/F126C/K214R/C220V/L234F/L235E/P331S/S354C/T366W

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 Rilvegostomig biosimilar antibody uses the same variable regions as the therapeutic antibody Rilvegostomig, making it ideal for research use. Rilvegostomig is a bispecific antibody that simultaneously targets human PD-1 and TIGIT, two inhibitory immune checkpoint receptors expressed on activated and exhausted T cells as well as subsets of NK cells. By binding both PD-1 and TIGIT, Rilvegostomig is designed to restore antitumor immune responses through dual checkpoint blockade, enhancing T-cell activation, cytokine production, and cytotoxic function while counteracting multiple non-redundant mechanisms of immune suppression within the tumor microenvironment. TIGIT blockade may additionally enhance NK cell activity and reduce inhibitory signaling mediated through interactions with CD155 (PVR) and related ligands. This dual-targeting approach is intended to provide broader immune activation than monospecific checkpoint inhibition alone. This Rilvegostomig biosimilar is well suited for studying PD-1 and TIGIT checkpoint biology, T-cell exhaustion, NK cell regulation, dual checkpoint blockade strategies, and for benchmarking the therapeutic antibody's mechanism of action in pre-clinical experimental systems.

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-bispecific-anti-human-pd-1-x-tigit-rilvegostomig-biosimilar-simb0116?utm_source=cr9k1b#tab_references or scan the QR code below.

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