

InVivoSIM anti-human LAG-3 (Relatlimab 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://bxcell.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

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| Catalog Number: | SIM0015 |
| Clone: | Relatlimab |
| Isotype: | Human IgG4, κ |
| Recommended Isotype Control(s): | RecombIMAb human IgG4 (S228P) isotype control, anti-hen egg lysozyme |
| Recommended Dilution Buffer: | InVivoPure pH 7.0 Dilution Buffer |
| Immunogen: | Human LAG-3 |
| Reported Applications: | ELISA |
| Formulation: | PBS, pH 7.0 Contains no stabilizers or preservatives |
| Endotoxin: | <1EU/mg (<0.001EU/μg) Determined by LAL gel clotting assay |
| Purity: | >95% Determined by SDS-PAGE |
| Sterility: | 0.2 μM filtered |
| Production: | Purified from cell culture supernatant |
| Purification: | Protein A |
| Aggregation: | <5% Determined by DLS |
| 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 non-therapeutic biosimilar antibody uses the same variable regions from the therapeutic antibody Relatlimab making it ideal for research use. This Relatlimab biosimilar reacts with human LAG-3 also known as CD223. LAG-3 is a 70 kDa type I transmembrane glycoprotein encoded by the Lag3 gene that belongs to the immunoglobulin superfamily. LAG-3 is expressed by activated T lymphocytes, NK cells, and T regulatory cells. LAG-3's main ligand is MHC class II which it binds to with a higher affinity than even CD4 does. Upon binding LAG-3 is thought to play similar roles as CTLA-4 and PD-1 including downregulation of TCR signaling and inhibition of CD4-dependent T cell function. LAG-3 has also been demonstrated to contribute to the suppressor function of T regulatory cells. In contrast to inhibition, LAG-3 has been shown to promote immune responses by activating antigen-presenting cells. Relatlimab is a LAG-3 inhibitor. A combination of Relatlimab with the immunomodulatory drug lenalidomide significantly increases IL-2 production by T cells and antibody-dependent cytotoxicity mediated by NK cells.

Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. 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 bxcell.com/faqs.

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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://bxcell.com/product/invivosim-anti-human-lag-3-relatlimab-biosimilar/#references> or scan the QR code below.



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