

Technical Data Sheet



Trispecific anti-mouse PD-L1× anti-mouse TIGIT× anti-mouse LAG3

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: CPB536
Clone: derived from clones 1G9, C9B7W, 10F.9G2
Isotype: Mouse IgG2a-scFv, κ
Recommended Isotype Control(s): Bispecific mouse scFv-IgG2a, kappa isotype control
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Mutations: LALA-PG
Reported Applications: ELISA
For information on in-vivo applications, please contact technicalservice@bioxcell.com
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 mammalian cell supernatant in an animal-free facility
Purification: Protein A
RRID:
Molecular Weight: 200.5

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

CPB536 is a 2+2 tetravalent trispecific designed to simultaneously target mouse programmed cell death 1 ligand 1 (PD-L1, CD274, B7-H1), mouse T cell immunoreceptor with Ig and ITIM domains (TIGIT) and mouse lymphocyte-activation gene 3 (LAG3). CP536 features monovalent binding to mouse TIGIT and mouse LAG3, with bivalent binding to mouse PD-L1. CPB536 contains a murine IgG2a constant region to reduce immunogenicity and the formation of anti-drug antibodies (ADAs) in mouse models. This trispecific was designed to bind antigens on different cells, bridging tumor/APCs with T cells. PD-L1 blockade prevents PD-1/PD-L1 suppression and provides tumor/APC anchoring, TIGIT blockade relieves TIGIT-mediated inhibitory signaling on dysfunctional T cells and LAG-3 blockade relieves a second major exhaustion pathway, improving T-cell activation and expansion. Fc-competent PD-L1 × TIGIT × LAG-3 trispecifics simultaneously block three inhibitory axes to promote tumor-localized T-cell engagement, leading to stronger anti-tumor T-cell responses.

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 [?utm_source=cr9k1b#tab_references](https://bioxcell.com/?utm_source=cr9k1b#tab_references) or scan the QR code below.



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