Technical Data Sheet

Bispecific anti-mouse PD-1 x anti-mouse VEGF-A (LALA-PG)

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/bispecific-anti-mouse-pd-1-x-anti-mouse-vegf-a-lala-pg-cpb520**

Product Information

Catalog Number: **CPB520**

Clone: **Derived from clones B20-4.1.1 and 29F.1A12**

Isotype: mouse IgG2a (LALA-PG)-scFv, κ

Recommended Isotype Control(s): Bispecific mouse IgG2a (LALA-PG)-scFv, kappa isotype control

Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer

RRID:

Description

CPB520 is a 2+2 symmetric tetravalent bispecific structured after Ivonescimab but engineered to simultaneously target mouse programmed cell death protein 1 (PD-1, CD279) and mouse vascular endothelial growth factor A (VEGF-A) proteins. CPB520 contains the murine IgG2a constant region to reduce immunogenicity and the formation of anti-drug antibodies (ADAs) in mouse models and LALA-PG Fc-silencing mutations to abolish antibody-dependent cell-mediated cytotoxicity (ADCC) and complement-dependent cytotoxicity (CDC) while minimizing Fc-driven off-target toxicity. This bispecific was designed to concurrently block two key pathways involved in tumor progression and immune evasion through dual PD-1 and VEGF-A inhibition. The tetravalent structure provides four antigen-binding sites to enable cooperative binding that can leverage target proximity within the tumor microenvironment.

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/bispecific-anti-mouse-pd-1-x-anti-mouse-vegf-a-lala-pg-cpb520?utm_source=cr9k1b#tab_references or scan the QR code below.

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