Technical Data Sheet

InVivoMAb anti-mouse BTLA (CD272)

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:	**BE0196**
Clone:	**PJ196**
Isotype:	Mouse IgG1
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Not available or unknown
Reported Applications:	*in vivo* BTLA blockade *in vitro* T cell stimulation/activation Flow cytometry
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 in an animal-free facility
Purification:	Protein G
RRID:	AB_10949056
Molecular Weight:	150 kDa

Description

The PJ196 monoclonal antibody reacts with mouse B- and T-lymphocyte attenuator (BTLA) also known as CD272. BTLA is an Ig superfamily member which is expressed on B cells, T cells, macrophages, dendritic cells, NK cells, and NKT cells. Like PD-1 and CTLA-4, BTLA interacts with a B7 homolog, B7-H4. However, unlike PD-1 and CTLA-4, BTLA displays T cell inhibition via interaction with tumor necrosis family receptors, not just the B7 family of cell surface receptors. BTLA is a ligand for herpes virus entry mediator (HVEM). BTLA-HVEM complexes have been shown to negatively regulate T cell immune 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 https://bioxcell.com/be0196?bxcs=9k1b3a#tab_references or scan the QR code below.

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

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