Technical Data Sheet

InVivoMAb anti-mouse PD-L2 (B7-DC)

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:	**BE0112**
Clone:	**TY25**
Isotype:	Rat IgG2a, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Mouse PD-L2 transfected cell line
Reported Applications:	*in vivo* PD-L2 blockade *in vitro* PD-L2 blockade Immunohistochemistry (frozen) Flow cytometry
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/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_10950106
Molecular Weight:	150 kDa

Description

The TY25 monoclonal antibody reacts with mouse PD-L2 (programmed death ligand 2) also known as B7-DC or CD273. PD-L2 is a 25 kDa type I transmembrane protein that belongs to the B7 family of the Ig superfamily. PD-L2 is expressed on monocytes, macrophages and subsets of dendritic cells. PD-L2 binds to its receptor, PD-1, found on CD4 and CD8 thymocytes as well as activated T and B lymphocytes and myeloid cells. Engagement of PD-L2 with PD-1 leads to inhibition of TCR-mediated T cell proliferation and cytokine production. The TY25 antibody has been reported to block PD-1 mediated interactions in vivo.

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/catalogsearch/result/?q=BE0112#tab_references or scan the QR code below.

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