Technical Data Sheet

*InVivo*MAb anti-mouse CD276 (B7-H3)

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:	**BE0124**
Clone:	**MJ18**
Isotype:	Rat IgG1, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Mouse B7-H3 IgG2a fusion protein
Reported Applications:	*in vivo* B7-H3 blockade 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 tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	AB_10950149
Molecular Weight:	150 kDa

Description

The MJ18 monoclonal antibody reacts with mouse CD276 also known as B7-H3. CD276 is a type I transmembrane protein and a member of the B7 family of co-stimulatory proteins. CD276 is expressed weakly on activated lymphocytes, macrophages, dendritic cells, nasal and airway epithelial cells, osteoblasts, and some tumor cell lines. A soluble form of CD276 is also secreted by monocytes, dendritic cells, and activated T cells. The biological role of CD276 is still under investigation however, recent studies suggest a negative regulatory role for CD276 in T cell responses. The MJ18 antibody has been shown to block CD276 when administered *in vivo*.

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.

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/m-b7-h3/#references or scan the QR code below.

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