

# Technical Data Sheet

## InVivoMAb anti-mouse CD276 (B7-H3)



**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: BE0124  
Clone: MJ18  
Isotype: Rat IgG1,  $\kappa$   
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/ $\mu$ g)  
Determined by LAL gel clotting assay  
Purity: >95%  
Determined by SDS-PAGE  
Sterility: 0.2  $\mu$ m filtered  
Production: Purified from cell culture supernatant in an animal-free facility  
Purification: Protein G  
RRID: [AB\\_10950149](https://abnova.com/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*.

### 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=BE0124#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0124#tab_references) or scan the QR code below.



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*Not for resale.*

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