

# Technical Data Sheet

## InVivoMAb anti-mouse CD83



**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: **BE0398**  
Clone: **Michel-17**  
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: CD83-Ig fusion proteins  
Reported Applications: *in vivo* CD83 engagement  
*in vitro* CD83 blockade  
Flow cytometry  
ELISA  
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:  
Molecular Weight: 150 kDa

### Description

The Michel-17 monoclonal antibody reacts with mouse CD83, a 45 kDa cell surface glycoprotein and a member of the Ig superfamily. CD83 is expressed on mature dendritic cells and activated lymphocytes. CD83 is a specific maturation marker for dendritic cells and also plays a role in thymic T cell maturation as well as peripheral T cell activation. CD83 is also involved in the regulation of B cell function.

### 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>.

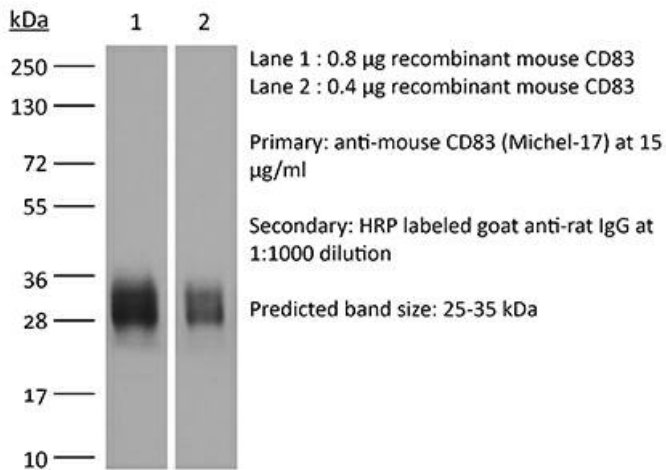
### Protocol Information

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.

## Binding Validation

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail [technicalservice@bioxcell.com](mailto:technicalservice@bioxcell.com).



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*Not for resale.*

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