

# Technical Data Sheet

## InVivoMAb anti-mouse TIM-4



**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:** BE0171  
**Clone:** RMT4-53  
**Isotype:** Rat IgG2b,  $\kappa$   
**Recommended Isotype Control(s):** InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin  
**Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer  
**Immunogen:** Mouse TIM-4-Ig fusion protein  
**Reported Applications:** *in vivo* TIM-4 blockade  
*in vitro* TIM-4 blockade  
Immunofluorescence  
**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\\_2687695](https://abnova.com/AB_2687695)  
**Molecular Weight:** 150 kDa

### Description

The RMT4-53 monoclonal antibody reacts with mouse T cell immunoglobulin and mucin domain 4 (TIM-4), a phosphatidylserine-binding receptor and member of the Ig superfamily. TIM-4 is preferentially expressed on antigen-presenting cells. TIM-4 is thought to enhance the engulfment of apoptotic cells and play a role in regulating T cell proliferation. The RMT4-53 antibody has been shown to block TIM-4 *in vitro* and *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=BE0171#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0171#tab_references) or scan the QR code below.



---

**Bio X Cell, LLC**

<https://bioxcell.com>

+1-866-787-3444

[customerservice@bioxcell.com](mailto:customerservice@bioxcell.com)

*Conditions: For research use only. Not for use in diagnostic or therapeutic procedures.*

*Not for resale.*

**Bio X Cell, Bio X Cell logo, and all other trademarks are the property of Bio X Cell, LLC © 2024 Bio X Cell, LLC**