

# Technical Data Sheet

## InVivoMAb anti-mouse CD27



**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: BE0348  
Clone: RM27-3E5  
Isotype: Rat IgG2a,  $\kappa$   
Recommended Isotype Control(s): InVivoMAb rat IgG2a isotype control, anti-trinitrophenol  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: Mouse CD27-human IgG1 Fc fusion protein  
Reported Applications: *in vivo* CD27 stimulation  
*in vitro* CD27 stimulation  
Immunoprecipitation  
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 filtration  
Production: Purified from cell culture supernatant in an animal-free facility  
Purification: Protein G  
RRID: [AB\\_2894767](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB_2894767)  
Molecular Weight: 150 kDa

### Description

The RM27-3E5 monoclonal antibody reacts with mouse CD27, a 45 kDa type I transmembrane protein and a member of the TNF superfamily. CD27 is expressed on peripheral T cells, memory B cells, NK cells, and a subset of thymocytes. CD27 is highly induced on T cells after TCR stimulation. CD70 is a ligand for CD27. Interaction with CD70 provides co-stimulation in T cells and induces signaling events essential for cell proliferation, long-term maintenance of antigen-specific T cells, antiviral responses, antitumor immunity, and alloreactivity. Agonistic antibodies that stimulate CD27 are currently being explored as experimental cancer treatments. The RM27-3E5 antibody is an agonistic antibody that stimulates CD27 upon binding.

### 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/be0348?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/be0348?bxcs=9k1b3a#tab_references) or scan the QR code below.



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**Bio X Cell, LLC**

<https://bioxcell.com>

+1-866-787-3444

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

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*Not for resale.*

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