

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://bxcell.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, κ |
| 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 <i>in vivo</i> CD27 stimulation <i>in vitro</i> CD27 stimulation Immunoprecipitation Flow cytometry |
| Reported Applications: | |
| 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: | |
| Molecular Weight: | |

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.

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/invivomab-anti-mouse-cd27/#references> or scan the QR code below.

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