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, 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
Reported Applications:	*in vivo* CD27 stimulation *in vitro* CD27 stimulation Immunoprecipitation Flow cytometry
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/μg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 μm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	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 or scan the QR code below.

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