

**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: BE0330  
Clone: CD69.2.2  
Isotype: Mouse IgG1,  $\kappa$   
Recommended Isotype Control(s): InVivoMAb mouse IgG1 isotype control, unknown specificity  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: CD69+ murine 300-19 pre-B cells  
Reported Applications: *in vivo* down-regulation of CD69 expression  
Functional assays  
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 A  
RRID: [AB\\_2894750](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB_2894750)  
Molecular Weight: 150 kDa

### Description

The CD69.2.2 monoclonal antibody reacts with mouse CD69, an 85 kDa type II C-type lectin. CD69 expression is rapidly induced upon cell activation in all leukocytes. CD69 is thought to be a negative regulator of the immune response in part through modulating the production of TGF- $\beta$ . Studies in CD69-deficient mice have revealed that CD69 plays crucial roles in the pathogenesis of various inflammatory diseases including arthritis, asthma, and colitis. When administered *in vivo* the CD69.2.2 antibody causes CD69 to be internalized but does not deplete CD69+ cells. Anti-CD69-treated mice resemble CD69-/- mice to a remarkable degree. The CD69.2.2 antibody has been shown to activate NK cells *in vivo* and *in vitro* and promote anti-tumor responses.

### 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/be0330?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/be0330?bxcs=9k1b3a#tab_references) or scan the QR code below.



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

*Not for resale.*

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