

InVivoMAb anti-mouse CD69

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
Isotype:	Mouse IgG1, κ
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:	<i>in vivo</i> down-regulation of CD69 expression Functional assays
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/ μ g) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μ M filtered
Production:	Purified from tissue culture supernatant in an animal free facility
Purification:	Protein A
RRID:	
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- β . 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.

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-cd69/#references> or scan the QR code below.

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