Technical Data Sheet

InVivoMAb anti-mouse CD69

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, 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:	*in vivo* down-regulation of CD69 expression Functional assays
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 A
RRID:	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-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.

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 or scan the QR code below.

Bio X Cell, LLC
https://bioxcell.com
+1-866-787-3444
customerservice@bioxcell.com

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