

InVivoMAb anti-mouse CD8 (Lyt 2.1)



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:	BE0118
Clone:	116-13.1 (HB129)
Isotype:	Mouse IgG2a, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG2a isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	CE mouse spleen cells and thymocytes
Reported Applications:	<i>in vivo</i> CD8+ T cell depletion Flow cytometry
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 G
RRID:	AB_10949065
Molecular Weight:	150 kDa

Description

The 116-13.1 monoclonal antibody reacts with the Lyt 2.1 allele of mouse CD8. The CD8 antigen is a transmembrane glycoprotein that acts as a co-receptor for the T cell receptor (TCR). Like the TCR CD8 binds to class I MHC molecules displayed by antigen presenting cells (APC). CD8 is primarily expressed on the surface of cytotoxic T cells but can also be found on thymocytes natural killer cells and some dendritic cell subsets. CD8 most commonly exists as a heterodimer composed of one CD8 α and one CD8 β chain however it can also exist as a homodimer composed of two CD8 α chains. Both the CD8 α and CD8 β chains share significant homology to immunoglobulin variable light chains. The molecular weight of each CD8 chain is approximately 34 kDa. The 116-13.1 antibody exhibits depleting activity in NOD mice when used *in vivo*. This antibody does not function in C57BL/6 or BALB/c strains since these strains only express the Lyt 2.2 allele of CD8.

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/lyt-2-1/#references> or scan the QR code below.



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