

Technical Data Sheet

InVivoMAb anti-mouse CD22



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: BE0011
Clone: Cy34.1
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: B10.D2 mouse splenocytes
Reported Applications: *in vivo* B cell depletion in combination with anti-CD19 (clone 1D3) and anti-rat κ Light Chain (clone MAR 18.5)
Flow cytometry
Immunoprecipitation
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 cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_1107613](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB)
Molecular Weight: 150 kDa

Description

The Cy34.1 monoclonal antibody reacts with mouse CD22, a member of the SIGLEC family of lectins. CD22 is expressed at high levels on the surface of mature follicular and marginal zone B lymphocytes, B-1 cells, and plasma cells and associates with the B-cell antigen receptor. CD22 mediates B cell adhesion to ligands on endothelial cells in the bone marrow. Additionally, CD22 negatively regulates B cell activation and prevents the development of autoimmune diseases. The Cy34.1 antibody has been shown to augment B cell proliferation in response to LPS or anti-mouse Ig μ chain.

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/be0011?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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