

Technical Data Sheet

InVivoMAb anti-mouse Thy1.2 (CD90.2)



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: BE0066
Clone: 30H12
Isotype: Rat IgG2b, κ
Recommended Isotype Control(s): InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Mouse thymus or spleen
Reported Applications: *in vivo* ILC depletion
in vivo T cell depletion
Western blot
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 filtration
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_1107682](https://rrid.info/AB_1107682)
Molecular Weight: 150 kDa

Description

The 30H12 monoclonal antibody reacts with mouse Thy1.2 also known as CD90.2. Thy1.2 is expressed by thymocytes and mature T lymphocytes as well as hematopoietic stem cells, neurons, epithelial cells, and fibroblasts. Thy1.2 is expressed only by certain mouse strains including C57BL/6, BALB/c, CBA, C3H, C58/, SJL, DBA, and NZB/. Thy1.2 is a 25-35 kDa GPI-anchored membrane glycoprotein and a member of the immunoglobulin superfamily. The function of Thy1.2 has not been fully elucidated but is thought to play roles in cognition, axon growth, T lymphocyte function, and apoptosis. The 30H12 monoclonal antibody has been reported to induce Ca²⁺ flux in thymocytes. This antibody is particularly useful for depletion of T lymphocytes.

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.

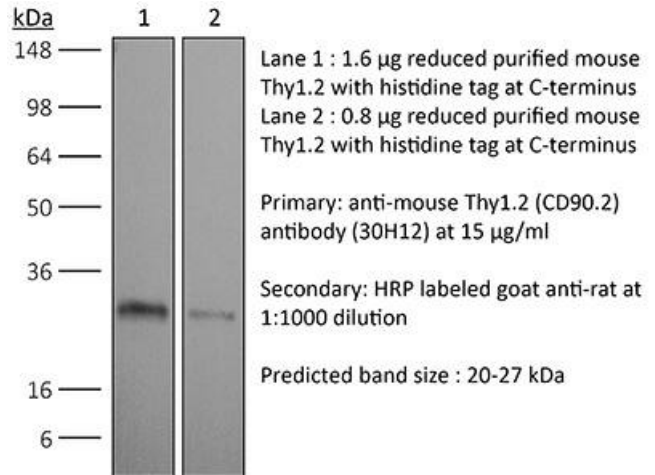
Application References

For a complete list of references, visit https://bioxcell.com/catalogsearch/result?q=BE0066#tab_references or scan the QR code below.



Binding Validation

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail technicalservice@bioxcell.com.



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