

# 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,  $\kappa$   
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/ $\mu$ g)  
Determined by LAL gel clotting assay  
Purity: >95%  
Determined by SDS-PAGE  
Sterility: 0.2  $\mu$ 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 Ca<sup>2+</sup> 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.

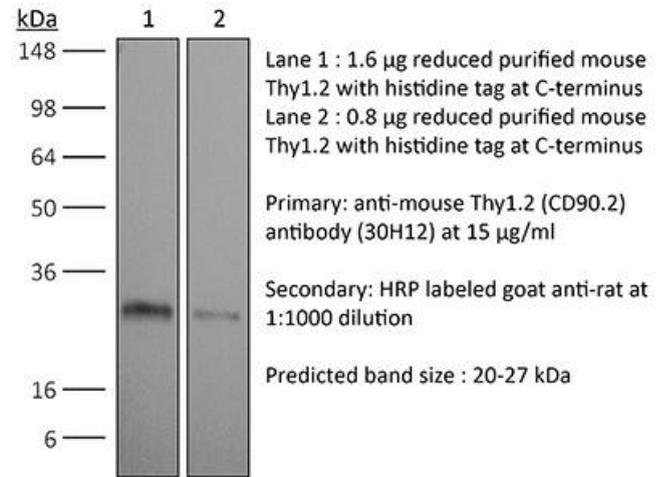
## Application References

For a complete list of references, visit [https://bioxcell.com/be0066?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/be0066?bxcs=9k1b3a#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](mailto:technicalservice@bioxcell.com).



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*Not for resale.*

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