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:	≤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 G
RRID:	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

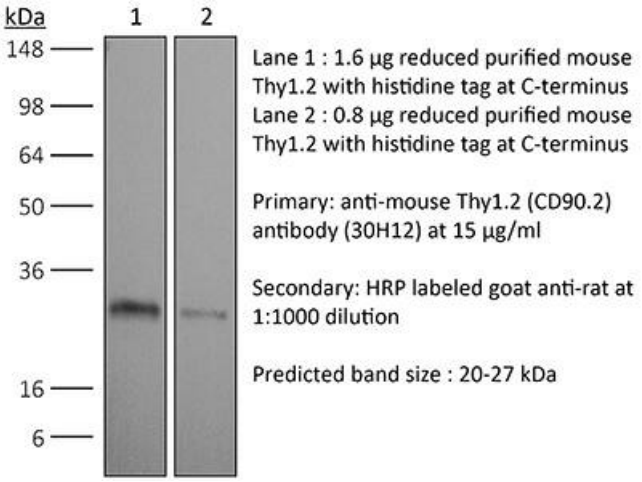
dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/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.



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