

Technical Data Sheet

InVivoMAb anti-mouse CLEC9A (CD370)



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: BE0305
Clone: 7H11
Isotype: Rat IgG1, κ
Recommended Isotype Control(s): InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: RBL-2H3 cells expressing mouse CLEC9A fused to an HA epitope
Reported Applications: *in vivo* CLEC9A blockade
in vivo Ag targeting to CLEC9A+ DCs
Western blot
ELISA
Immunoprecipitation
Immunofluorescence
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 filtration
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_2721034](https://abnova.com/AB_2721034)
Molecular Weight: 150 kDa

Description

The 7H11 monoclonal antibody reacts with mouse CLEC9A (C-type lectin domain family member 9A). CLEC9A, also known as DNGR1 (dendritic cell natural killer lectin group receptor 1) and CD370, is a type II transmembrane glycoprotein with a single extracellular C-type lectin domain. DNGR-1 is restricted in its expression, being found only on CD8 α +, CD103+, CD11b- subsets of DCs and plasmacytoid DCs. CLEC9A reportedly functions as an endocytic receptor for necrotic cells. It can mediate the cross-presentation of dead-cell associated antigens by dendritic cells in a Syk-dependent manner. It has been shown that targeting antigen to DNGR-1 on DC's via coupling antigen to the 7H11 antibody can result in activation of antigen specific CD8+ T cell responses *in vivo*.

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/be0305?bxcs=9k1b3a#tab_references or scan the QR code below.



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