

Technical Data Sheet

InVivoMAb anti-mouse CD200 (OX2)



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: BE0299
Clone: OX-90
Isotype: Rat IgG2a, κ
Recommended Isotype Control(s): InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Fusion protein consisting of mouse CD200 (extracellular region) and rat CD4 (domains 3 and 4)
Reported Applications: *in vivo* CD200 blockade
in vitro CD200 blockade
Immunohistochemistry (frozen)
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_2687821](https://europepmc.org/abstract/proc/pt/pt/AB_2687821)
Molecular Weight: 150 kDa

Description

The OX-90 monoclonal antibody reacts with mouse CD200 also known as OX2. CD200 is a type 1 membrane glycoprotein belonging to the immunoglobulin superfamily. CD200 expression is limited to thymocytes, neurons, B cells, splenic follicular dendritic cells and endothelium, and subsets of T cells and dendritic cells. CD200 has been shown to co-stimulate T cell proliferation. It is thought that engagement of CD200 with its receptor, CD200R, results in inhibition and/or downregulation of myeloid cell activity. Blocking this interaction decreases the inhibitory thresholds of myeloid cells resulting in increased immune activity. The OX-90 antibody has been reported to block the binding of CD200 to CD200R *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/be0299?bxcs=9k1b3a#tab_references or scan the QR code below.



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