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/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_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/catalogsearch/result/?q=BE0299#tab_references or scan the QR code below.

Bio X Cell, LLC
https://bioxcell.com
+1-866-787-3444
customerservice@bioxcell.com