

## InVivoMAb anti-mouse CD200 (OX2)

### Lot Specific Information

<b>Lot Number:</b>	Lot Specific*
<b>Volume:</b>	Lot Specific*
<b>Concentration:</b>	Lot Specific* (generally 4 to 11 mg/ml) *
<b>Total Protein:</b>	Lot Specific*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

<b>Catalog Number:</b>	<b>BE0299</b>
<b>Clone:</b>	<b>OX-90</b>
<b>Isotype:</b>	Rat IgG2a, κ
<b>Recommended Isotype Control(s):</b>	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
<b>Recommended Dilution Buffer:</b>	InVivoPure pH 7.0 Dilution Buffer
<b>Immunogen:</b>	Fusion protein consisting of mouse CD200 (extracellular region) and rat CD4 (domains 3 and 4) <i>in vivo</i> CD200 blockade <i>in vitro</i> CD200 blockade Immunohistochemistry (frozen) Immunofluorescence Flow cytometry
<b>Reported Applications:</b>	Immunohistochemistry (frozen) Immunofluorescence Flow cytometry
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Endotoxin:</b>	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting assay
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 μm filtration
<b>Production:</b>	Purified from tissue culture supernatant in an animal free facility
<b>Purification:</b>	Protein G
<b>RRID:</b>	AB_2687821
<b>Molecular Weight:</b>	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*.

### Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. 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 [bxcell.com/faqs](https://bxcell.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://bxcell.com/product/invivomab-anti-mouse-cd200-ox2/#references> or scan the QR code below.

### Bio X Cell, Inc.

bxcell.com  
1.866.787.3444  
[customerservice@bxcell.com](mailto:customerservice@bxcell.com)

Conditions: For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

Bio X Cell, Bio X Cell Logo and all other trademarks are the property of Bio X Cell, Inc. © 2020 Bio X Cell



**Bio X Cell, Inc.**

---

[bxcell.com](http://bxcell.com)

1.866.787.3444

[customerservice@bxcell.com](mailto:customerservice@bxcell.com)

*Conditions: For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.*

**Bio X Cell, Bio X Cell Logo and all other trademarks are the property of Bio X Cell, Inc. © 2020 Bio X Cell**