# Technical Data Sheet

## RecombiMAb anti-mouse OX40L (CD252, CD134L)

**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:** | **CP066** |
| **Clone:** | **RM134L-CP066** |
| **Isotype:** | Mouse IgG2a, κ |
| **Recommended Isotype Control(s):** | RecombiMAb mouse IgG2a isotype control, unknown specificity |
| **Recommended Dilution Buffer:** | InVivoPure pH 7.0 Dilution Buffer |
| **Immunogen:** | Rat NRK-52E cells transfected with mouse OX40L |
| **Reported Applications:** | Flow Cytometry<br>*in vitro* OX40L neutralization<br>*in vivo* blocking of OX40/OX40L signaling<br>*Reported for the original rat IgG2b RM134L antibody. For information on *in vivo* applications, please contact technicalservice@bioxcell.com |
| **Formulation:** | PBS, pH 7.0<br>Contains no stabilizers or preservatives |
| **Endotoxin:** | ≤0.5EU/mg (≤0.0005EU/μg)<br>Determined by LAL assay |
| **Purity:** | ≥95%<br>Determined by SDS-PAGE |
| **Sterility:** | 0.2 μm filtration |
| **Production:** | Purified from mammalian cell supernatant in an animal-free facility |
| **Purification:** | Protein G |
| **Aggregation:** | <5%<br>Determined by SEC |
| **RRID:** | |
| **Molecular Weight:** | 150 kDa |

## Murine Pathogen Test Results

Mouse Norovirus: Negative, Mouse Parvovirus: Negative, Mouse Minute Virus: Negative, Mouse Hepatitis Virus: Negative, Reovirus Screen: Negative, Lymphocytic Choriomeningitis virus: Negative, Lactate Dehydrogenase-Elevating Virus: Negative, Mouse Rotavirus: Negative, Theiler's Murine Encephalomyelitis: Negative, Ectromelia/Mousepox Virus: Negative, Hantavirus: Negative, Polyoma Virus: Negative, Mouse Adenovirus: Negative, Sendai Virus: Negative, Mycoplasma Pulmonis: Negative, Pneumonia Virus of Mice: Negative, Mouse Cytomegalovirus: Negative, K Virus: Negative

## Description

The RM134L-CP066 monoclonal antibody is a recombinant, murine chimeric version of the original RM134L antibody. The variable domain sequences are identical but the constant region sequences have been switched from rat IgG2b, κ to mouse IgG2a, κ for use in murine models. Species-matched chimeric antibodies exhibit regulated effector functions—including Fc receptor binding and complement activation—and cause less immunogenicity and formation of anti-drug antibodies (ADAs) than xenogenic antibodies in animal models. The highly controlled sequence and lack of genetic drift in recombinant antibodies provide more reliable and reproducible results over hybridoma derived antibodies. The RM134L monoclonal antibody reacts with mouse OX-40L (also known CD252, CD134L, TNFSF4). OX-40L is a 35 kDa member of the TNF superfamily that is expressed on activated B cells, dendritic cells, vascular endothelial cells, mast cells, and natural killer cells. OX40L is the ligand for OX-40 (CD134). OX-40 signaling regulates both CD4 and CD8 T cell clonal expansion, provides a costimulatory signal to an antigen-reacting naive T cells prolonging proliferation, augments the production of several cytokines including RANTES, IL-2, IL-3, and IFN-g and plays an important role in immunotolerance. In vivo treatment with the RM134L antibody has been shown to block the interaction between OX40L and OX40.

## 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

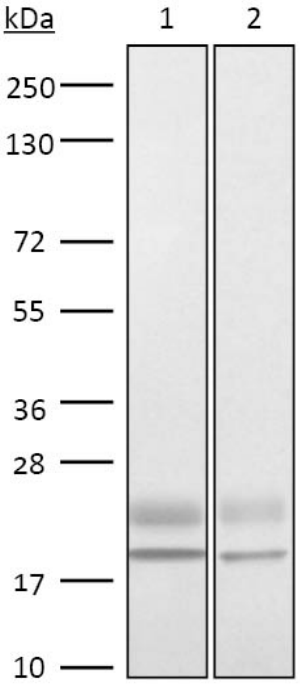
Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

## Application References

For a complete list of references, visit https://bioxcell.com/cp066?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.




Lane 1 : 2.4 ug recombinant mouse OX40L
Lane 2 : 1.2 ug recombinant mouse OX40L

Primary: anti-mouse OX40L (RM134L-CP066) at 15 µg/ml

Secondary: HRP labeled goat anti-mouse IgG at 1:1000 dilution

Predicted band size: 20 and 22-25kDa

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