Technical Data Sheet

InVivoMAb anti-mouse OX40 (CD134)



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

Reported Applications:

 Catalog Number:
 BE0031

 Clone:
 0X-86

 Isotype:
 Rat IgG1, к

Recommended Isotype Control(s): InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase

Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer

Immunogen: Recombinant mouse OX40-CD4 chimeric protein

in vivo OX40 activation in vitro OX40 activation

Western blot PBS, pH 7.0

Formulation: Contains no stabilizers or preservatives

Endotoxin: <2ΕU/mg (<0.002ΕU/μg)

Determined by LAL gel clotting assay

Purity: Determined by SDS-PAGE

Sterility: 0.2 µM filtered

Production: Purified from tissue culture supernatant in an animal free facility

 Purification:
 Protein G

 RRID:
 AB_1107592

 Molecular Weight:
 150 kDa

Description

The OX-86 monoclonal antibody reacts with mouse OX-40 also known as CD134. OX-40 is a 50 kDa type I membrane glycoprotein and a member of the TNF receptor superfamily. OX-40 is expressed on activated CD4 and CD8 T cells, but is not found on resting naïve T cells or most resting memory T cells. Although it was originally thought that OX-40 expression was restricted to activated conventional T cells, it has now been visualized on activated regulatory T cells, NKT cells, NK cells, and neutrophils. OX-40 plays a major role in regulating both CD4 and CD8 T cell clonal expansion. It provides a costimulatory signal to an antigen-reacting naive T cells to prolong proliferation, as well as augment the production of several cytokines. This is demonstrated by OX-40 knockout mice which generate fewer primary effector CD4 T cells after immunization. Furthermore, *in vivo* treatment with an agonist antibody to OX-40 has been shown to strongly enhance the generation of antigen-specific effector T cells and prevent the induction of T cell tolerance. The OX-86 antibody is an agonistic antibody that has been shown to delay tumor growth *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.

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/m-cd134-ox40/#references or scan the QR code below.

Bio X Cell, Inc.

bxcell.com

1.866.787.3444

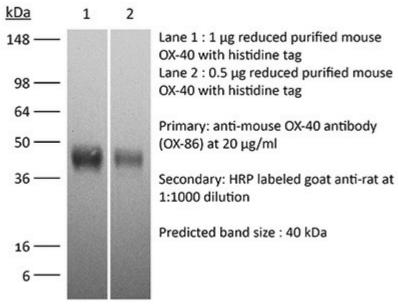
customerservice@bxcell.com

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



Binding Validation

Western blot data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, email technicalservice@bxcell.com.



Bio X Cell, Inc.

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