

Anti-Mouse CD134 (OX-86) In Vivo Antibody - Low Endotoxin

Anti-Mouse CD134 In Vivo Antibody (OX-86)

Product Benefits:

ichorbio's Anti-Mouse CD134 In Vivo Antibody (OX-86) - Low Endotoxin [ICH1196] is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from [Bio X Cell](#) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

Target:

CD134

Clone:

OX-86

Size:

ichorbio's OX-86 *in vivo* antibody is available in the following bulk sizes: 5mg, 25mg, 50mg and 100mg. ichorbio regularly manufactures multi-gram amounts of our anti-mouse CD134 OX-86 clone - please contact us for pricing.

Isotype:

Rat IgG1

Other Names:

OX-40, TNFRSF4, ACT35

Host:

Rat

Species Reactivity:

Mouse

Specificity:

Clone OX-86 reacts with murine CD134 (OX-40, TNFRSF4).

Antigen Distribution:

CD134 is expressed on activated CD4 and CD8 T cells, activated regulatory T cells, B cells, NKT cells, NK cells, and neutrophils.

Background:

CD134 functions as an important immune checkpoint, and its depletion in murine mouse models demonstrate that lack of CD134 expression leads to reduced CD4+ and CD8+ T cells. When CD134 is bound by its corresponding ligand (OX-40L), an optimal T cell response is generated and plays a significant role in determining the amount of memory T-cells remaining after the immune response. CD134 has also been found to play an important role in carcinogenesis, as treatment with activating in vivo antibodies against CD134 enhanced tumor growth, suggesting that CD134 is an important tumor suppressor, and its absence disrupts the immune response to tumors.

Concentration:

1.0 - 5.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

Endotoxin:

1.0 EU/mg as determined by the LAL method

? 0.75 EU/mg as determined by the LAL method

Aggregation:

Aggregation level ? 5%

Aggregation level ? 1%

IMPACT Pathogen Test:

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our mouse antibodies are tested for: Mycoplasma spp., Mycoplasma pulmonis, Sendai virus, Mouse hepatitis virus, Pneumonia virus of mice, Minute virus of mice, Mouse parvovirus (MPV1-5), Theiler's murine encephalomyelitis virus, Murine norovirus, Reovirus 3, Mouse rotavirus, Ectromelia virus, Lymphocytic choriomeningitis virus, Polyoma virus, Lactate dehydrogenase-elevating virus, Mouse adenovirus (MAD1, MAD2), Mouse cytomegalovirus K virus, Mouse thymic virus, Hantaan virus, Corynebacterium bovis, Corynebacterium spp. (HAC2)

Storage:

Anti-Mouse CD134 In Vivo Antibody (OX-86) is stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at –20°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

Applications:

Activation, Flow Cytometry, Immunohistochemistry, Western Blotting

Application Notes: Each investigator should determine their own optimal working dilution for specific applications. **Use:**

Products are for research use only.

Isotype Control:

[Rat IgG1 In Vivo Isotype Control – Low Endotoxin \(GL113\)](#)

Alternative Names:

- ACT 35 antibody
- ACT35 antibody
- ACT35 antigen antibody
- ATC35 antigen antibody
- CD 134 antibody
- CD134 antibody
- CD134 antigen antibody
- IMD16 antibody
- Lymphoid activation antigene ACT35 antibody
- OX 40 antibody
- OX40 antibody
- OX40 antigen antibody
- OX40 cell surface antigen antibody
- OX40 homologue antibody
- OX40L receptor antibody
- TAX transcriptionally activated glycoprotein 1 receptor antibody
- TAX transcriptionally-activated glycoprotein 1 receptor antibody
- TNF receptor superfamily member 4 antibody
- TNFRSF 4 antibody
- TNFRSF4 antibody
- Tumor necrosis factor receptor superfamily member 4 antibody
- Txgp 11 antibody
- Txgp1 antibody
- Txgp11 antibody