

Anti-Mouse CD90.1 (OX-7) In Vivo Antibody - Low Endotoxin

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Product Benefits:

ichorbio's Anti-Mouse CD90.1 In Vivo Antibody (OX-7) - Low Endotoxin [ICH1198] 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:

CD90.1

Clone:

OX-7

Size:

ichorbio's OX-7 *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 CD90.1 OX-7 clone - please contact us for pricing.

Isotype:

Mouse IgG1

Host:

Mouse

Species Reactivity:

Mouse, Rat

Specificity:

Clone OX-7 activity is directed against both rat and murine CD90/Thy-1.

Antigen Distribution:

CD90 is present on a variety of cell types in murine and rat, including lymphatic vessels, T cells, neurons and fibroblasts.

Background:

CD90 has been found to play a role in numerous cellular activities, such as cell adhesion, apoptosis, metastasis, inflammation, and fibrosis. In mouse strains expressing CD90.1, it is expressed on early-stage hematopoietic cells in bone marrow, thymocytes, and circulating mature T cells. The OX-7 antibody has been reported to induce leukocyte activation, glomerular nephritis, apoptosis in glomerular mesangial cells, and vascular permeability. CD90 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Diseases associated with CD90 dysfunction include nasopharyngeal carcinoma and thymoma.

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 CD90.1 In Vivo Antibody (OX-7) 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:

Depletion, Flow Cytometry, Immunofluorescence, Immunohistochemistry

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

Products are for research use only.

Isotype Control:

[Mouse IgG1 In Vivo Isotype Control – Low Endotoxin \(HKSP84\)](#)