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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Mouse CD90.1 In Vivo Antibody (OX-7) - Low Endotoxin ICH1198

Product Information

Catalog Number: ICH1198
Product: Low Endotoxin, anti-mouse
Target: CD90.1
Clone: OX-7
Isotype: Mouse IgG1

Host: Mouse
Species Reactivity: Mouse, Rat
Specificity: Clone OX-7 activity is directed against both rat and murine CD90/Thy-1.

Purification method: This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

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

Concentration: ≥ 2.0 mg/ml
Formulation: Sterile, preservative-free, solution in PBS. BSA and Azide free.

Purity: >95% by SDS-PAGE
Endotoxin: <1.0 EU/mg as determined by the LAL method
Aggregation: Aggregation level $\leq 5\%$

Storage: This antibody 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 -80°C. 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.

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.