

CD90.1 protein-coupled magnetic MicroBeads

Cat. No. CD90.1-932M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Mouse/Rat

Capacity for 2×10^9 total cells

Background

The mouse monoclonal antibody reacts with rat CD90 (Thy-1) and mouse CD90.1, a GPI-anchored conserved membrane glycoprotein. In the rat, the CD90 antigen is expressed on thymocytes¹, recent thymic emigrants¹, hematopoietic stem cells, neurons, and other cell types. In the mouse strains AKR/J, PL, and FVB/N, CD90.1 is a pan T cell marker and can be found on thymocytes, hematopoietic stem cells in the bone marrow, intraepithelial cells (dendritic epidermal cells) in skin, and on neurons, such as retinal ganglion cells. The antibody does not cross-react with CD90.2.

Application

CD90.1 MicroBeads are suitable for positive selection or depletion of mouse (strains AKR/J, PL, and FVB/N) or rat T lymphocytes from single-cell suspensions of spleen preparations or peripheral blood.

Isolation of T cells for the adoptive transfer of CD90.1+ T cells into CD90.2+ inbred strains or immunodeficient mice.

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