CD105 protein-coupled magnetic MicroBeads

Cat. No. CD105-403M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Capacity	for 1×10^9 total cells
Background	The CD105 antigen (endoglin) serves as a receptor for the growth and differentiation factors TGF-β1 and TGF-β3, and is expressed on mature endothelial cells, on MSCs with mesodermal differentiation capacity, and on some leukemic cells of B lymphoid and myeloid origin. The CD105 MicroBeads recognize the same molecular antigen as anti-SH2 antibodies-the most commonly employed antigen for the definition of cultivated MSCs.
Application	CD105 MicroBeads can be used for studies on mesengenesis and for in vitro investigations on hematological disorders. CD105+ bone marrow cells also show multipotent differentiation in vitro and the capacity to form bone in vivo without prior cultivation or differentiation.

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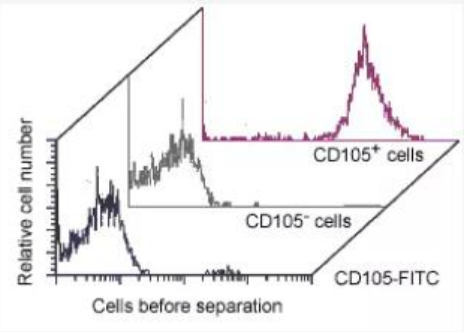
Analysis	 Separation of CD105+ endothelial cells from a single-cell preparation of umbilical cord vein tissue using CD105 MicroBeads, an MS Column, and a MiniMACS Separator.

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