

CD31 protein-coupled magnetic MicroBeads

Cat. No. CD31-291M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1×10^9 total cells

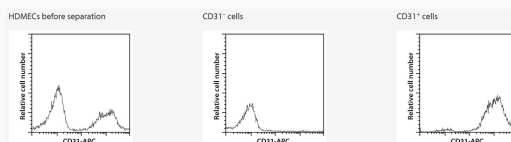
Background CD31 is a glycoprotein, also known as platelet endothelial cell adhesion molecule-1 (PECAM-1). It is expressed on mature endothelial cells, platelets, and on some white blood cells such as monocytes, NK cells, granulocytes, B cells, and T cell subsets.

Application

The CD31 MicroBead Kit can be used for the isolation of human dermal vascular endothelial cells (HDMECs) from dermal tissues, for example foreskin, and human umbilical vein endothelial cells (HUVECs) from umbilical cord vein.

The CD31 MicroBead Kit has also been used for:
the isolation of endothelial cells from colorectal cancer and healthy colon tissue,
the enrichment of lymphangioma-derived lymphatic endothelial cells from fibroblast-contaminated cultures,
the isolation of human microvascular endothelial cells from dermal or renal tissue.

Analysis



Separation of CD31+ HDMECs from a preparation of dermal-layer cells of human

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foreskin using the CD31 MicroBead Kit and a MidiMACS Separator with an LS Column. Cells were fluorescently stained with CD31-APC.

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