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Ono et al., SUPPLEMENTAL FIGURE LEGENDS

Supplemental Figure S1. Preferential expression of CD49f and CD34 in myoSP.
Isolated myoSP and myoMP were stained with antibodies against CD49f and CD34 and subjected to flow cytometric analysis.

Supplemental Figure S2. Multipotential differentiation of human mesenchymal stem cells (hMSCs)
(A, B) Osteoblast-differentiation capacity of hMSCs, as determined by alkaline phosphatase staining (A) and by RT-PCR for the expression of osteoblast lineage-specific genes as indicated (B). The confluent hMCSs were treated with osteogenic differentiation-inducing media [induction (+)] or with MSCGM alone [induction (-)]. *PTH1R*, parathyroid hormone 1 receptor; *ALPL*, alkaline phosphatase, liver/bone/kidney. Bar, 50 μm. (C, D) Adipocyte-differentiation capacity of hMSCs, as determined by Oil red-O staining (C) and by RT-PCR for the expression of adipocyte lineage-specific genes as indicated (D). The confluent hMCSs were treated with adipocyte differentiation-inducing media [induction (+)] or with MSCGM alone [induction (-)]. *LPL*, lipoprotein lipase; *PPARG*, peroxisome proliferator-activated receptor gamma. Bar = 50 μm. (E, F) Chondrocyte-differentiation capacity of hMSCs, as determined by staining with toluidine blue (E, left panel) or collagen type II (E, right panel) and by RT-PCR for the expression of chondrocyte lineage-specific genes as indicated (F). The hMSCs cultured at dishes (before induction) were transferred into a 15 mL centrifuge tube and fed with chondrogenic induction medium for 4 weeks (after induction). *ACAN*, aggrecan. Bar = 100 μm.

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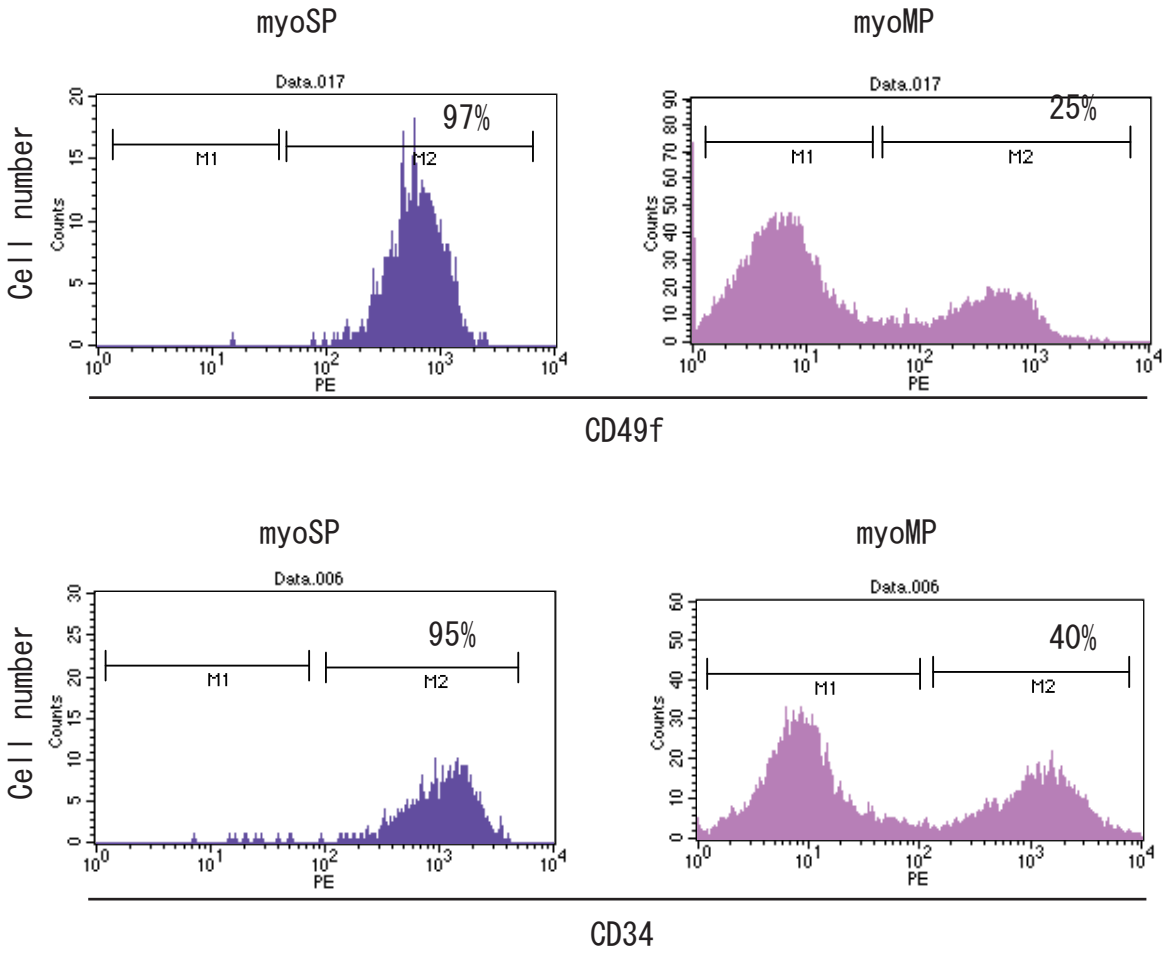
Supplemental Figure S1. Ono, et al.



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Supplemental Figure S2. Ono, et al.