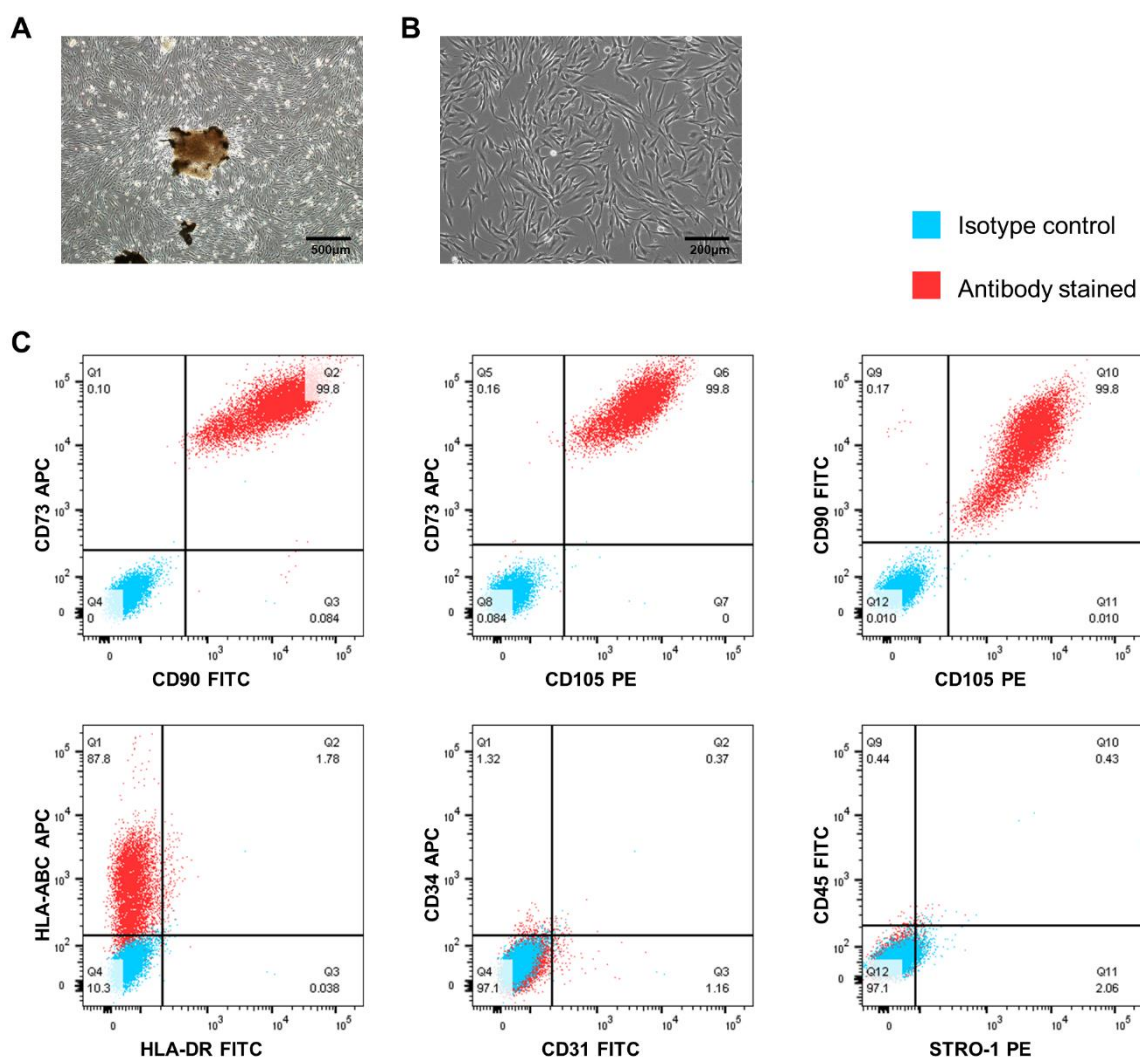


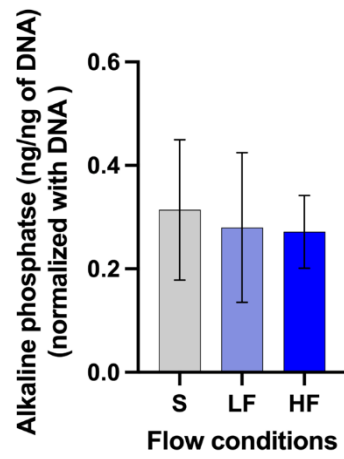
FLUID FLOW-INDUCED MODULATION OF VIABILITY AND OSTEODIFFERENTIATION OF PERIODONTAL LIGAMENT STEM CELL SPHEROIDS-ON-CHIP

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SUPPLEMENTARY FIGURES



Supplementary Figure 1. Characterization of PDLSCs cultured under animal component-free (ACF) culture conditions. Phase contrast images of outgrowth of PDLSCs from periodontal tissue fragments (**A**), and after expansion (**B**) under ACF culture conditions. (**C**) Representative flow cytometry bivariate plots showing the expression of surface markers for mesenchymal (CD73, CD90, CD105), major histocompatibility complex (HLA-ABC and HLA-DR), and hematopoietic (CD31, CD34, CD45).



Supplementary Figure 2. Intracellular alkaline phosphatase levels of PDLSC spheroids under flow conditions using media without osteogenic factors. (Data presented as mean \pm SD, n=5) (S: static, LF: low-flow, HF: high-flow)