

**Figure S1** Immunophenotyping Analysis of AM-MSCs, UC-MSCs and CP-MSCs.

Antibodies (%)	AM-MSCs	UC-MSCs	CP-MSCs
CD73	99.54 $\pm$ 0.13	99.95 $\pm$ 0.02	99.52 $\pm$ 0.14
CD90	99.98 $\pm$ 0.02	100.00 $\pm$ 0.00	99.97 $\pm$ 0.03
CD105	99.82 $\pm$ 0.08	99.99 $\pm$ 0.01	99.35 $\pm$ 0.25
HLA-DR	0.08 $\pm$ 0.08	0.03 $\pm$ 0.02	0.03 $\pm$ 0.03
CD14	0.28 $\pm$ 0.06	0.04 $\pm$ 0.02	0.47 $\pm$ 0.24
CD19	0.04 $\pm$ 0.03	0.00 $\pm$ 0.00	0.05 $\pm$ 0.03
CD34	0.34 $\pm$ 0.33	0.14 $\pm$ 0.08	0.19 $\pm$ 0.10
CD45	0.21 $\pm$ 0.10	0.12 $\pm$ 0.02	0.41 $\pm$ 0.07

Immunophenotyping analysis of MSCs derived from three individual donors. All data were presented as the mean  $\pm$  SEM ( $n = 3$ ).