| D | BM-MSC population | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| | age (years) | 38 | 42 | 43 | 22 |
| | gender | m | m | f | m |
| | CD14 | 0.0 | 0.0 | 0.0 | 0.0 |
| % positive | CD34 | 0.0 | 0.0 | 0.0 | 0.0 |
| compared | CD45 | 0.0 | 5.1 | 0.0 | 0.0 |
| to isotype | CD73 | 95.7 | 97.8 | 95.7 | 96.3 |
| control | CD90 | 96.0 | 93.6 | 95.4 | 98.2 |
| | CD105 | 96.1 | 96.2 | 95.8 | 66.9 |

**SUPPLEMENTARY FIG. S1.** All human mesenchymal stem cell (hMSC) populations could be effectively differentiated into the adipogenic, osteogenic, and chondrogenic lineage **(A–C)**. Adipogenic differentiation was assessed by identification of lipid vacuoles stained in *red* by Oil Red O **(A)**, osteogenic differentiation was assessed by positive staining for alkaline phosphatase staining in *pink* to *violet* **(B)**, and chondrogenic differentiation was assessed by *blue* to *bluish green* staining of mucopolysaccharides by Alcian blue **(C)**. The figure is exemplary for all tested MSC populations; scale bars: 50 µm. Flow cytometric analyses showed that all hMSC populations highly expressed CD73, CD90, and CD105, whereas the hematopoietic markers CD14 and CD34 were not expressed **(D)**.