ESM Fig 2. MSCs can differentiate into osteoblasts, adipocytes and chondrocytes

(a) Representative image of MSCs cultured in osteogenic medium after 2 - 3 weeks. The graph shows the percentage of differentiated MSCs which were quantified by counting osteopontin\(^+\) cells (magenta) and cellular nuclei (grey) in images (left panel; n=5). (b) Representative image of MSCs cultured for 2 – 3 weeks in adipogenic medium. Images were used to quantify the percentage of adipocytes (lipid droplets; magenta) and non-differentiated MSCs (nuclei; grey) from 5 separate images. (c) The graph represents the mean fluorescence intensity and was calculated from aggrecan staining (magenta) in images (left panel; n=4) of chondrogenic pellets formed after 3 – 4 weeks of MSC culture in chondrogenic medium. The percentage of differentiated MSC and MFI are represented as mean + SEM.