

Supplementary Information

CD44v6 increases gastric cancer malignant phenotype by modulating adipose stromal cell-mediated ECM remodeling

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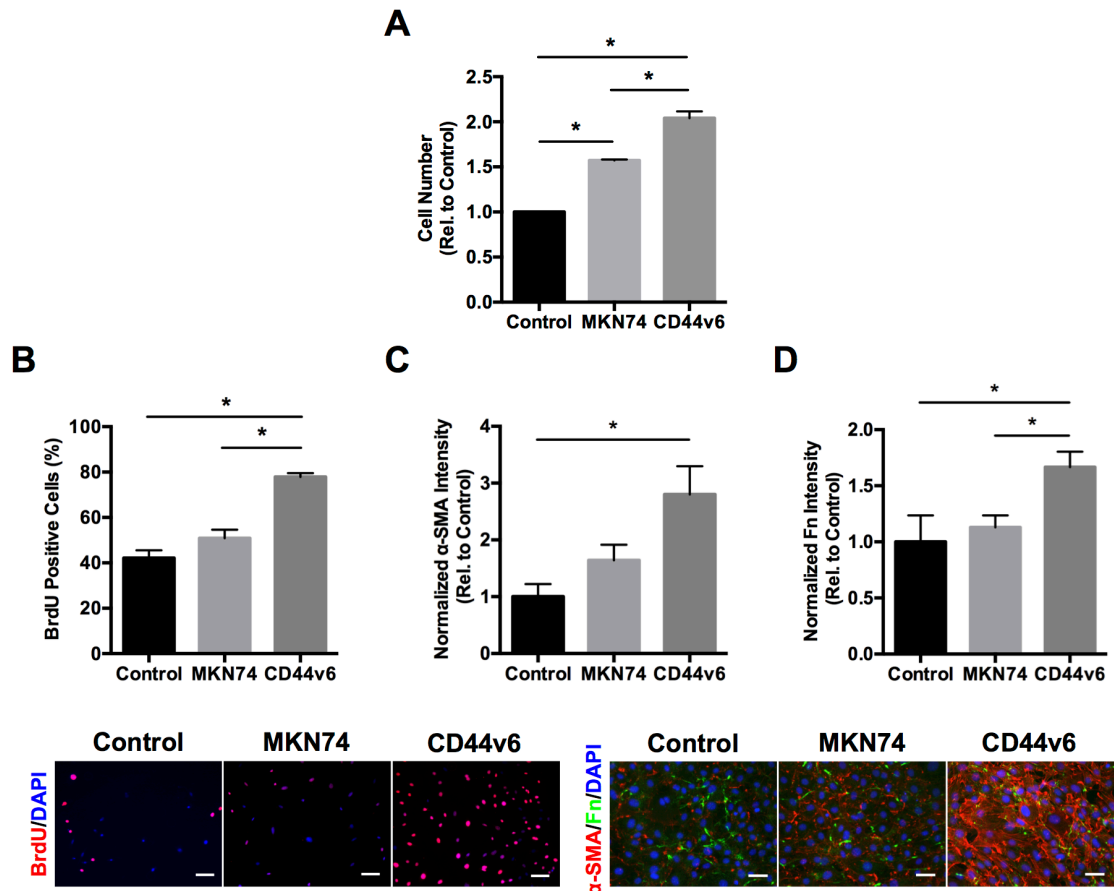


Fig. S1. Tumor-secreted soluble factors from CD44v6 expressing cells increase 3T3-L1s function. (A) Number of 3T3-L1s after culture in TCMs from Control, MKN28, and CD44v6 cells relative to Control (n = 3). (B) BrdU incorporation of 3T3-L1s as determined by immunofluorescence image analysis (n = 43 images per condition) * p < 0.05. (C and D) Immunofluorescence image analysis of α -smooth muscle actin (α -SMA) and fibronectin (Fn) of 3T3-L1s relative to Control (n = 14 images per condition). Scale bars = 20 μ m.

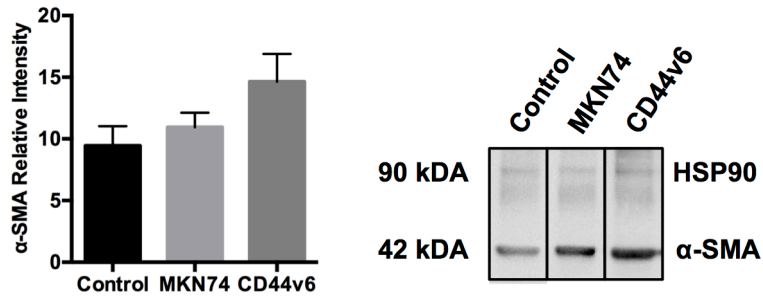


Fig. S2. Tumor-secreted soluble factors from CD44v6 expressing cells enhance ASC differentiation into myofibroblasts. Western blot quantification of α-SMA expressed by TCM-treated ASCs relative to the corresponding HSP90 levels (n = 3).

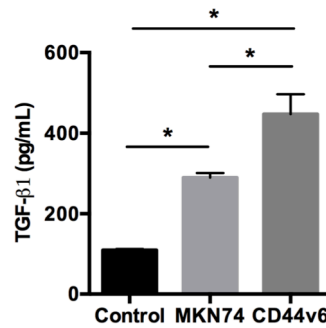


Fig. S3. CD44v6 expression increases GC cell secretion of transforming growth factor-β (TGF-β). TGF-β secretion of MKN28 and CD44v6 cells as measured by ELISA (n = 3) * p < 0.05.

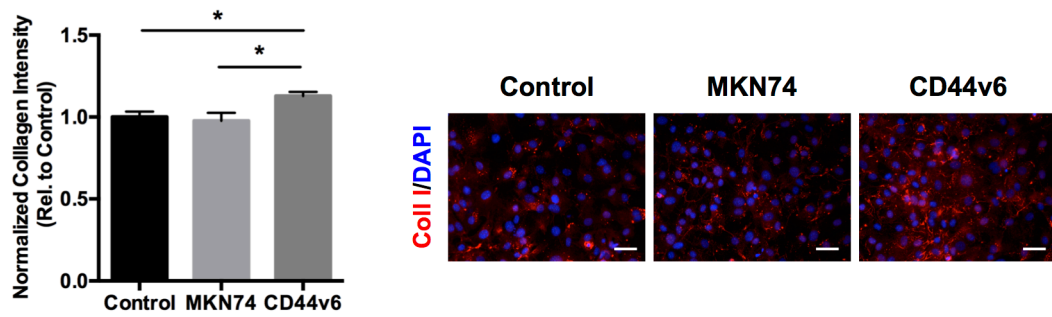


Fig. S4. Culture in CD44v6 TCM increases type I collagen matrix assembly by ASCs. Immunofluorescence image analysis of type I collagen deposited by TCM-treated ASCs relative to Control (n = 19 images per condition) * p < 0.05. Scale bars = 20 μ m