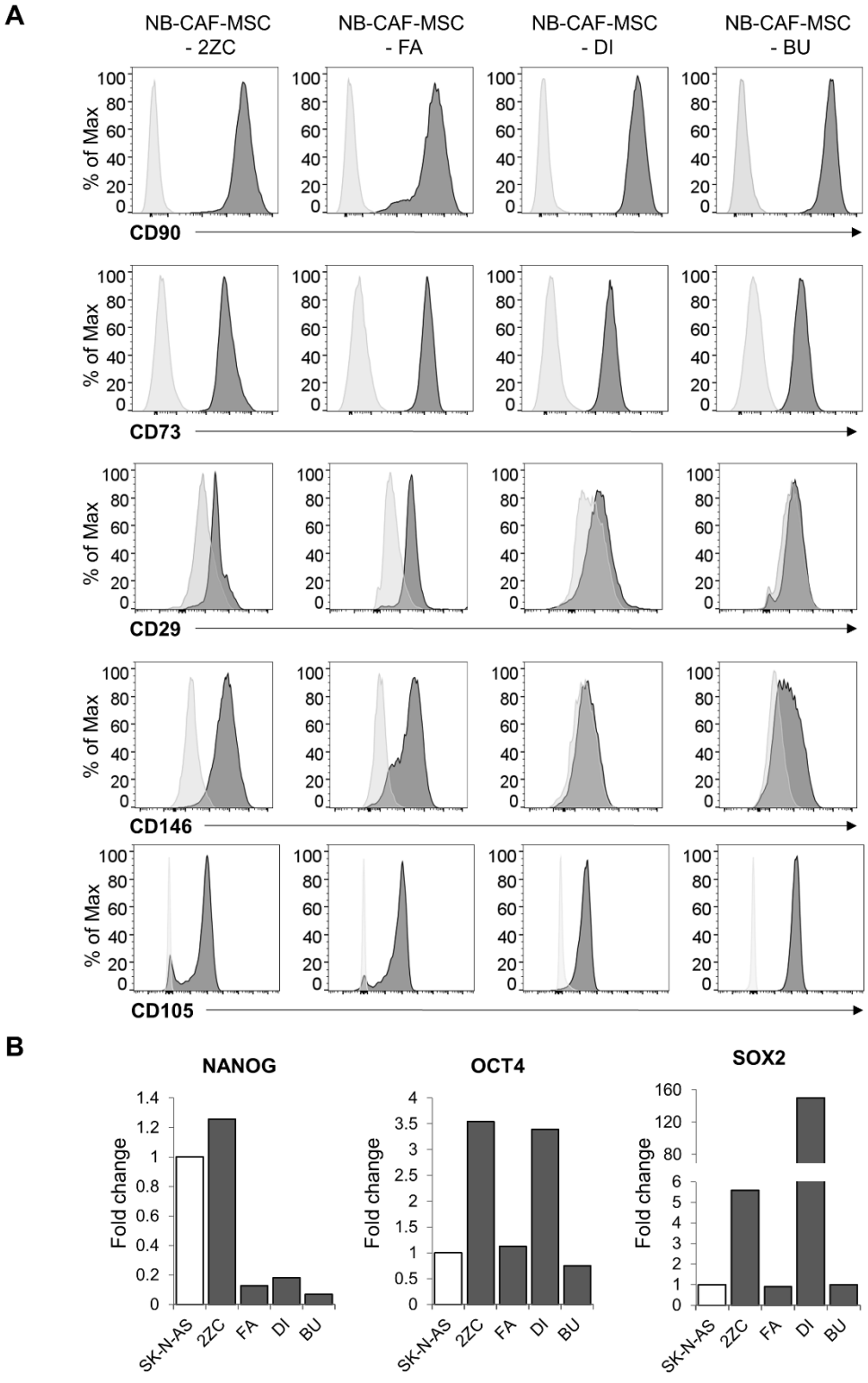
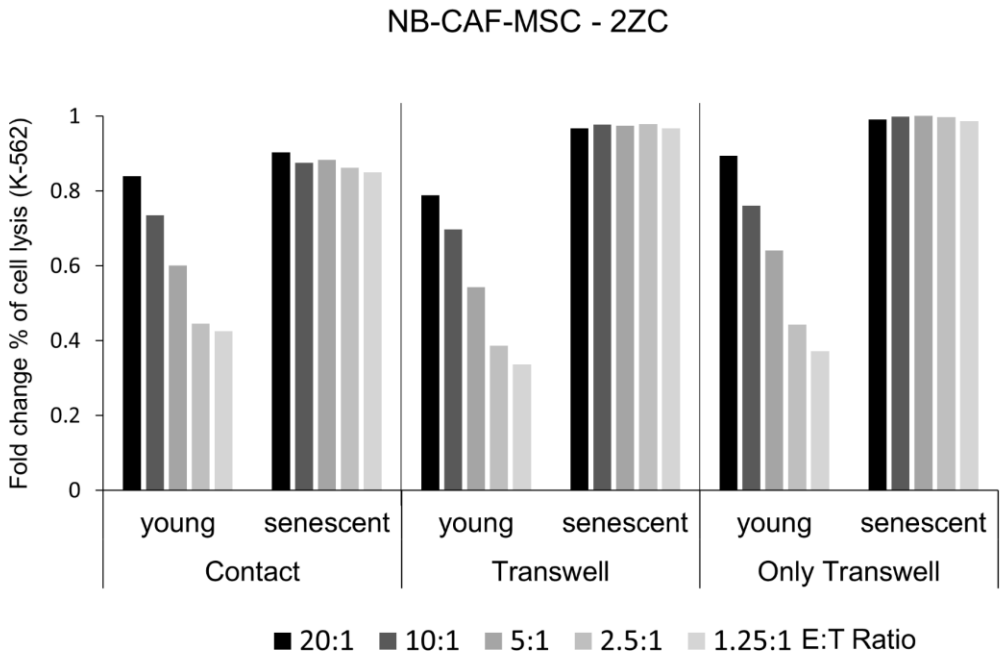
Supplementary Figure S1.



Supplementary Figure S1. Evaluation of the Mesenchymal phenotype in primary NB-TA-MSC cultures. (**A**) Flow-cytometry analysis of the indicated surface markers (CD105, CD90, CD73, CD29 and CD146). Light grey histograms represent unstained control; dark grey histograms represent stained samples. A representative experiment is shown of $n = 5$ experiments performed. (**B**) RT-qPCR analysis

of SOX2, NANOG and OCT4 stemness genes transcript in different primary NB-TA-MSC cultures. The NB commercial cell line SK-N-AS was used as reference control. Histograms represent the fold change of gene transcript expression normalized for GAPDH expression compared to SK-N-AS expression which level is arbitrarily set as 1. Data are expressed as mean ± SD (n = 3).

Supplementary Figure S2.



Supplementary Figure S2. Senescent NB-CAF-MSC – 2ZC lose their immunomodulatory properties in comparison to the young cells. Percentage of K-562 cells lysis in cytotoxicity assays using freshly isolated NK cells after co-culture with young and senescent NB-CAF-MSC – 2ZC primary cultures under direct cell-cell contact or under Transwell conditions. Data presented here are expressed as fold change of percentage of cell lysis vs CTRL.