

Supplementary data to:

**IMMUNOREGULATORY, PROLIFERATIVE AND ANTI-OXIDANT
EFFECTS OF NANOCURCUMINOIDS ON ADIPOSE-DERIVED
MESENCHYMAL STEM CELLS**

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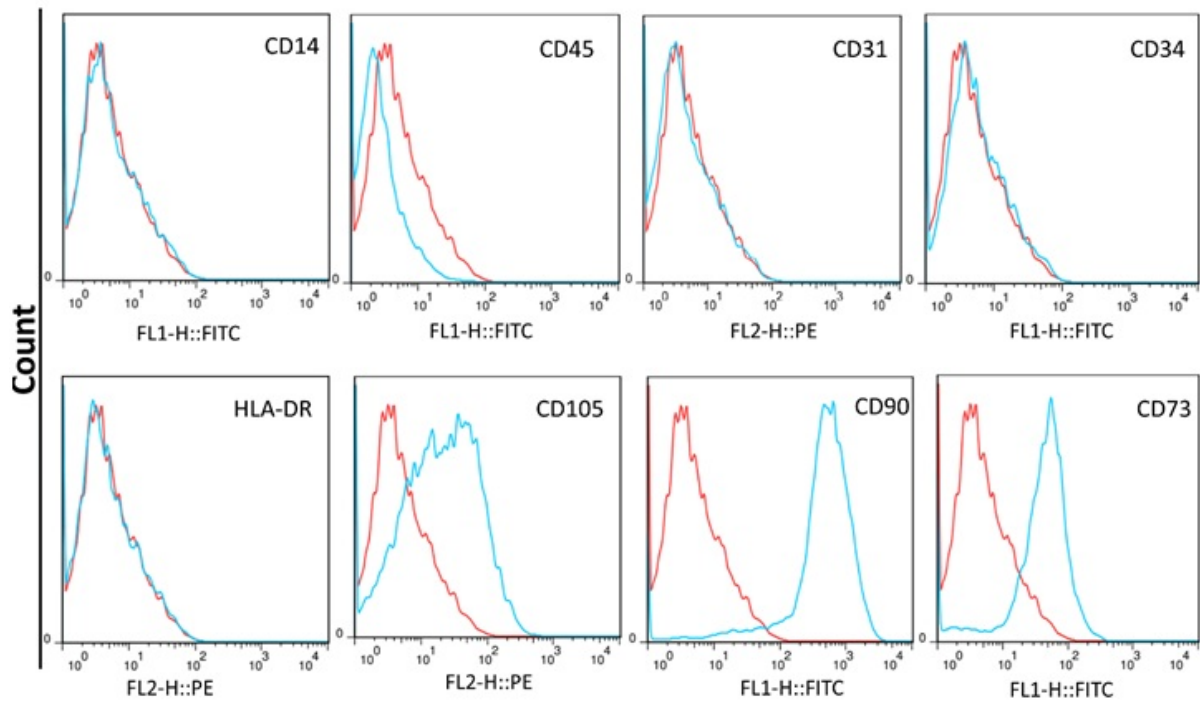
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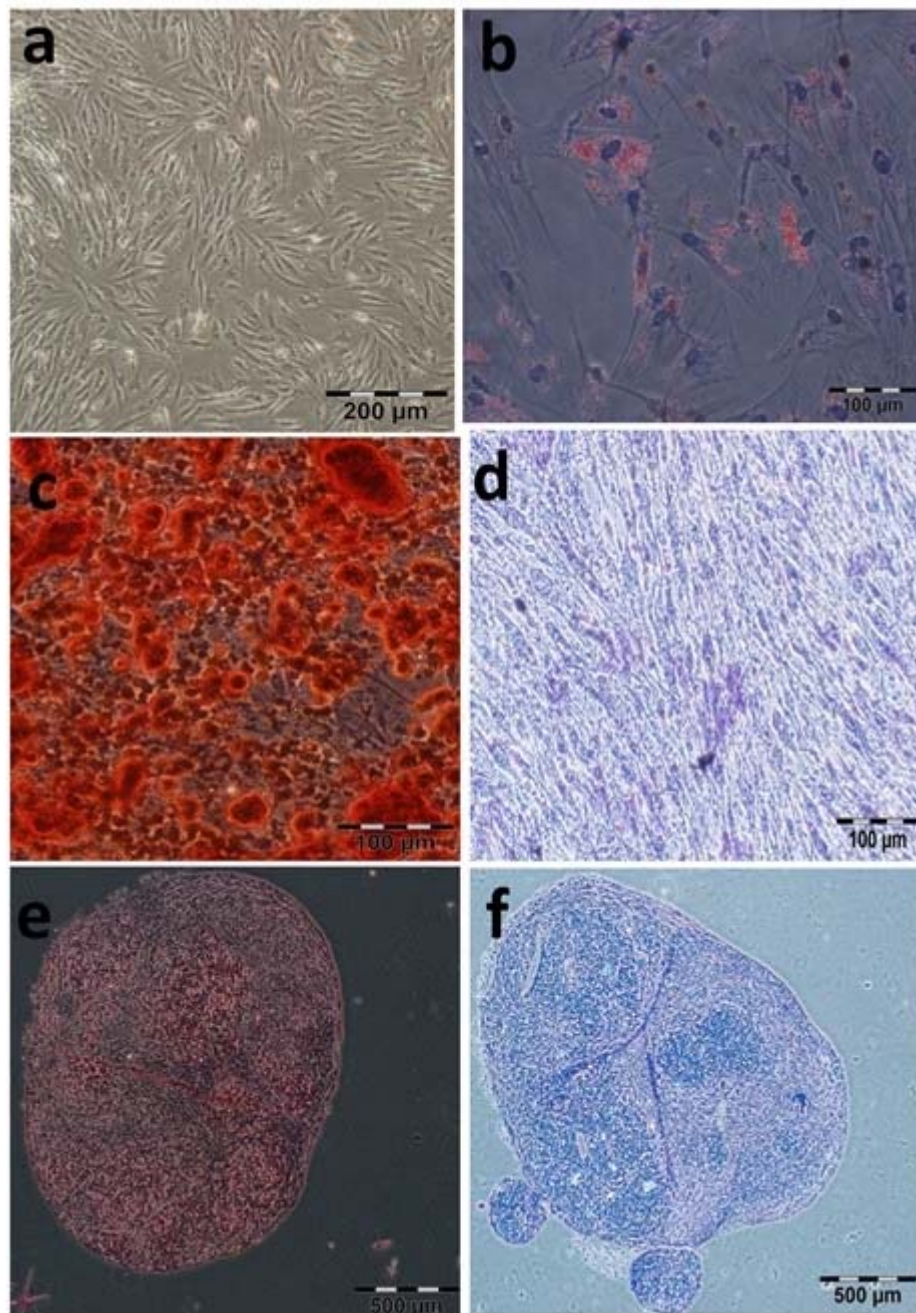
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Supplementary Figure 1: Flow cytometry analysis of superficial markers of AT-MSCs based on comparison with negative isotype control on 10,000 events. Histogram plots show that AT-MSCs are positive for expression of CD73, CD105 and CD90, but negative for CD14, CD34, CD31, CD45 and HLA-DR.



Supplementary Figure 2: Tri-lineage capacity of AT-MSCs for differentiation into adipocytes, osteocytes and chondrocytes established by specific-cell staining after 21 days in a specialized medium: **(a)** fibroblast-like shape of AT-MSCs before differentiation; **(b)** and after differentiation of AT-MSCs toward adipocytes with lipid vacuoles detected by Oil Red O staining; **(c)** mineralization potential of AT-MSCs with appearance of calcium deposits following alizarin red staining; **(d)** and after alkaline phosphatase staining; **(e)** GAGs and sulfated proteoglycans from chondroitin cryosections after staining with hematoxylin-eosin; **(f)** and after toluidine blue.