

Vitamin D-conjugated gold nanoparticles as functional carriers to enhancing osteogenic differentiation

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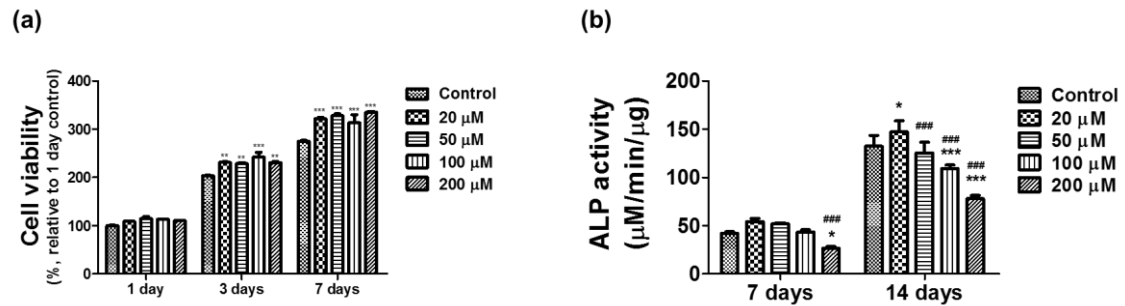
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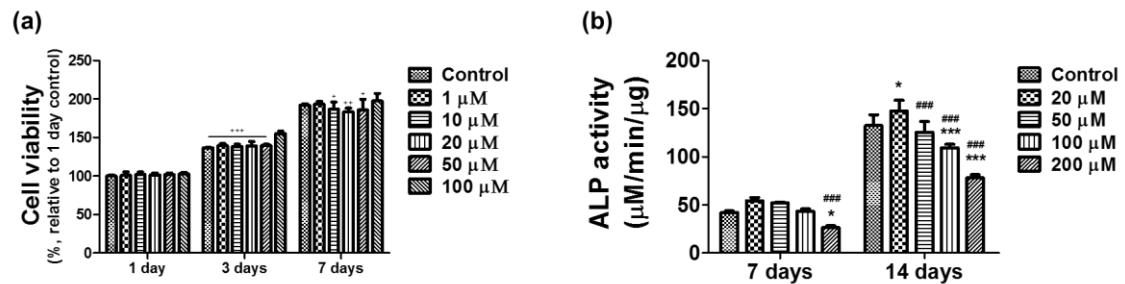
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Supplementary figure captions:



Supplementary Figure 1. Evaluation of cell viability (a) and ALP activity (b) of hADSCs: cell viability performed after 1, 3, and 7 days of culture at non-treated GM (control), 20 μM GNPs treated GM, 50 μM GNPs treated GM, 100 μM GNPs treated GM, and 200 μM GNPs treated GM. ALP activity performed after 7 and 14 days of culture at non-treated OM (control), 20 μM GNPs treated OM, 50 μM GNPs treated OM, 100 μM GNPs treated OM, and 200 μM GNPs treated OM. $n=4$, * $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$ compared with the control group, ### $p < 0.001$ compared with the 20 μM GNPs treated OM group.



Supplementary Figure 2. Evaluation of cell viability (a) and ALP activity (b) of hADSCs: cell viability performed after 1, 3, and 7 days of culture at non-treated GM (control), 1 μM SPVD treated GM, 5 μM SPVD treated GM, 10 μM SPVD treated GM, 20 μM SPVD treated GM, 50 μM SPVD treated GM, and 100 μM SPVD treated GM. ALP activity performed after 7 and 14 days of culture at non-treated OM (control), 1 μM SPVD treated OM, 5 μM SPVD treated OM, 10 μM SPVD treated OM and 20 μM SPVD treated OM. n=4, +p < 0.05, ++p < 0.01, and +++p < 0.001 compared with the 100 μM group, *p < 0.05, and ***p < 0.001 compared with the control group.