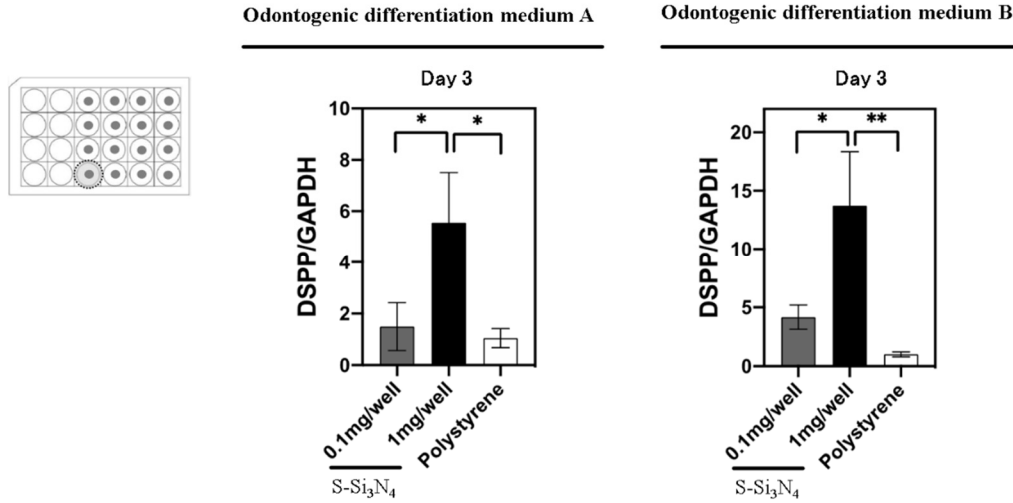


Supplementary materials



Supplementary Figure S1. Real-time qPCR to detect the expression of odontoblast-specific gene, *DSPP*, at day 3 on plates coated with S-Si₃N₄. Data are presented as the mean \pm standard deviation (SD) (n = 3, one-way analysis of variance and Tukey's multiple comparisons test). * p < 0.05, ** p < 0.01: comparison among all groups. Osteogenic differentiation medium A: culture medium with 10 mM glycerol 2-phosphate, 10 nM dexamethasone, and 155 μ M L-ascorbic acid 2-phosphate; Osteogenic differentiation medium B: culture medium with 10 mM glycerol 2-phosphate, 100 nM dexamethasone, and 50 μ M L-ascorbic acid 2-phosphate. S-Si₃N₄: Sintered Si₃N₄ with 3wt.% Y₂O₃.