Supporting informations

Effects of pulsing of light on the dentinogenesis of dental pulp stem cells *in vitro*

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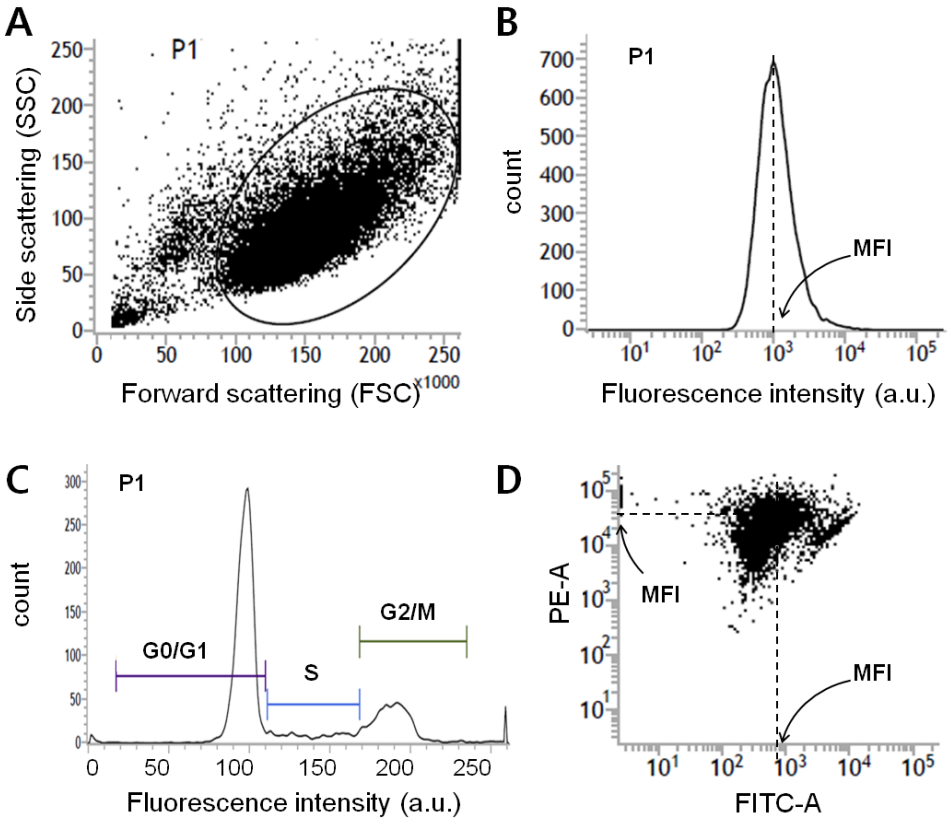

Figure S1. Typical graphs used to analyze the flow cytometry data. **A**. A typical 2D plot of forward (FSC) and side (SSC) scattering. Cells in certain ranges of FSC and SSC values were gated for further analysis. **B**. A typical graph of cell number distribution for one fluorescence measurement. The area integral of fluorescence intensity was used for measurement of the value per a cell. Mean fluorescence intensity (MFI) of each group was used for statistical analysis. **C**. A typical cell cycle graph, whose x-axis is the intensity of propidium iodide which is linearly increasing with DNA contents of a cell. It is divided to three parts as G0/G1, S, and G2/M states, and the population belong to each part is analyzed. **D**. A typical 2D graph of JC1 stained cells. The MFIs of FITC and PE were measured separately and the ratio of PE/FITC was used as a mitochondrial membrane potential.

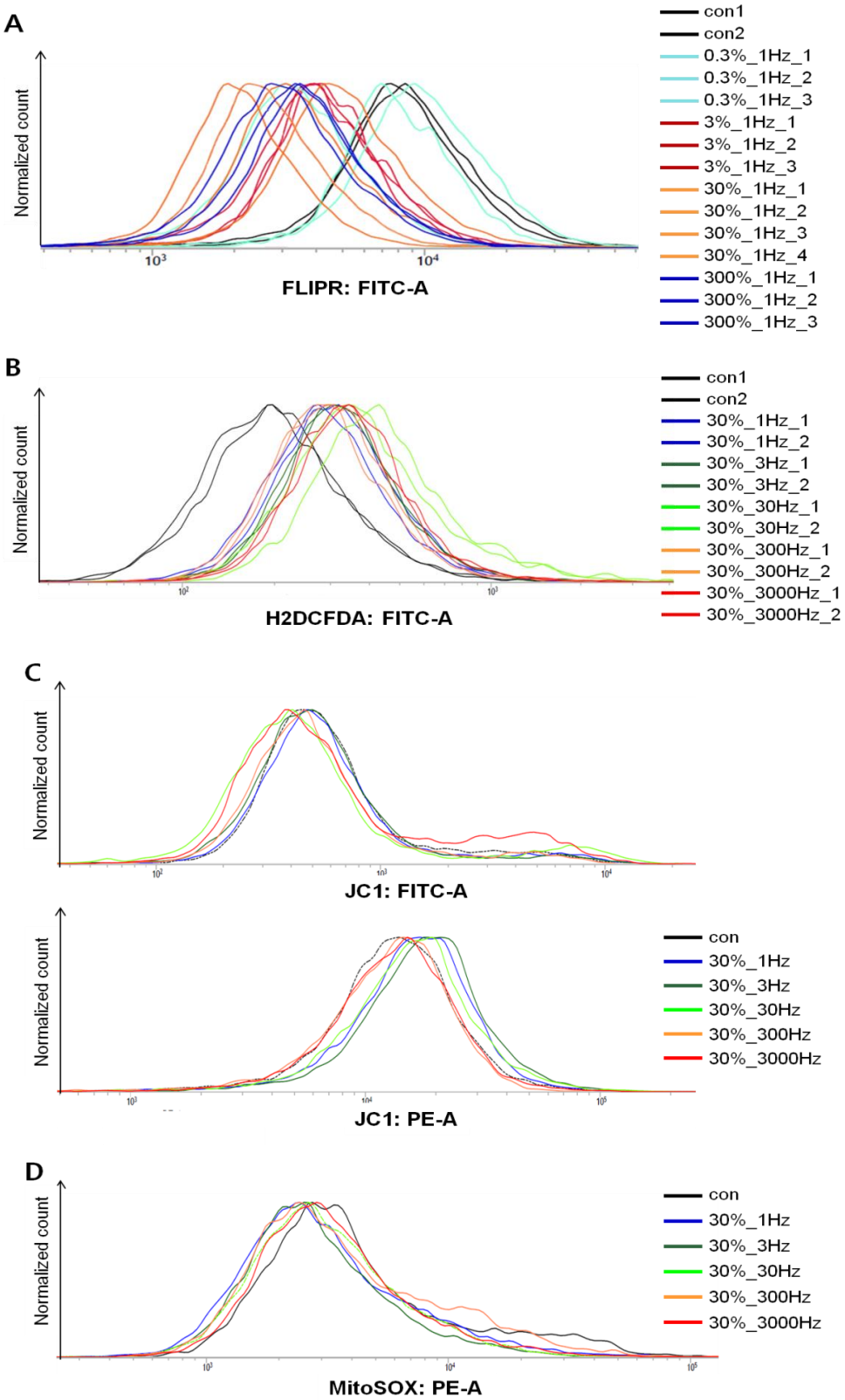

Figure S2. Typical data for measurement of cellular immediate responses to PW-LPL. Cells were stained with **A**. FLIPR, **B**. H2DCFDA, **C**. JC1, or **D**. MitoSOX.

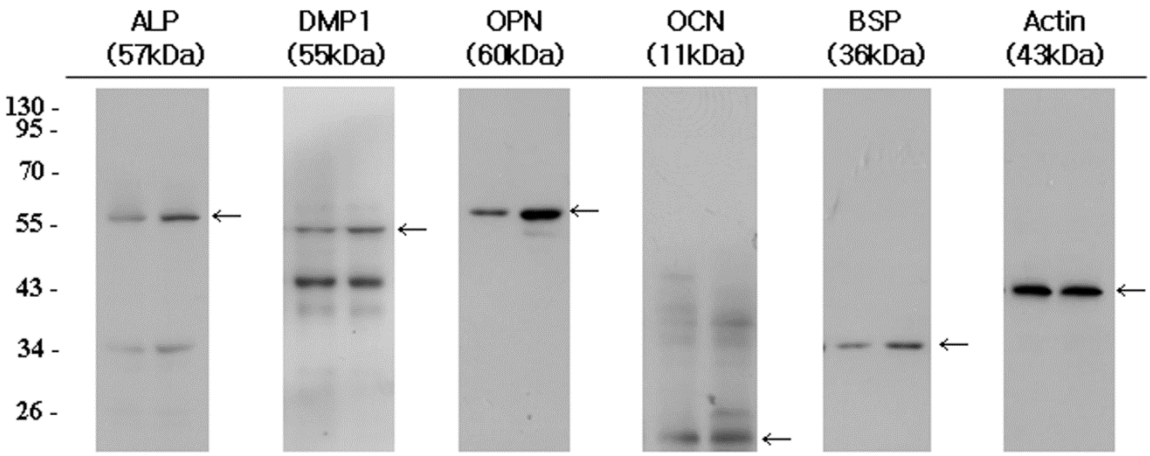

Figure S3. The original gel images for the protein expression of ALP, DMP1, OPN, OCN, BSP, Actin.