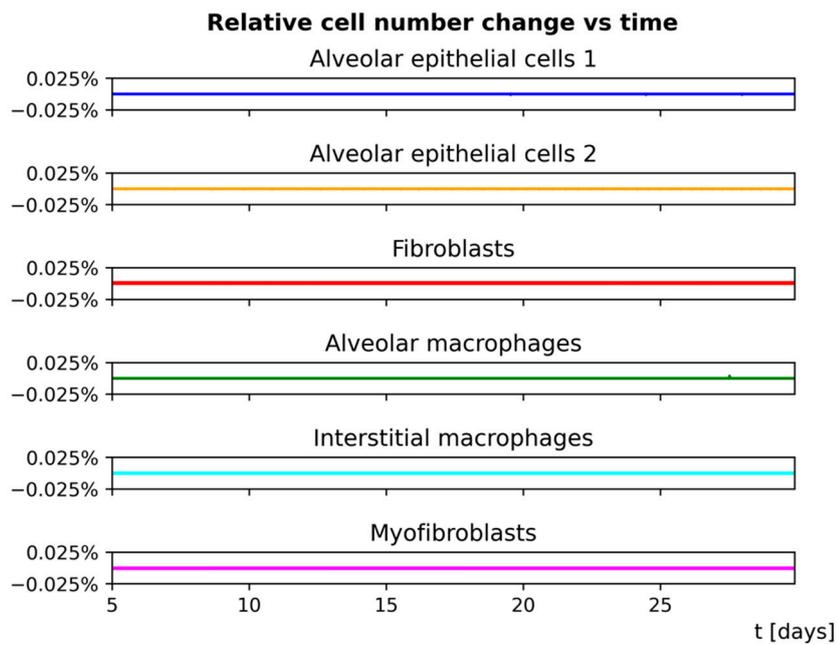
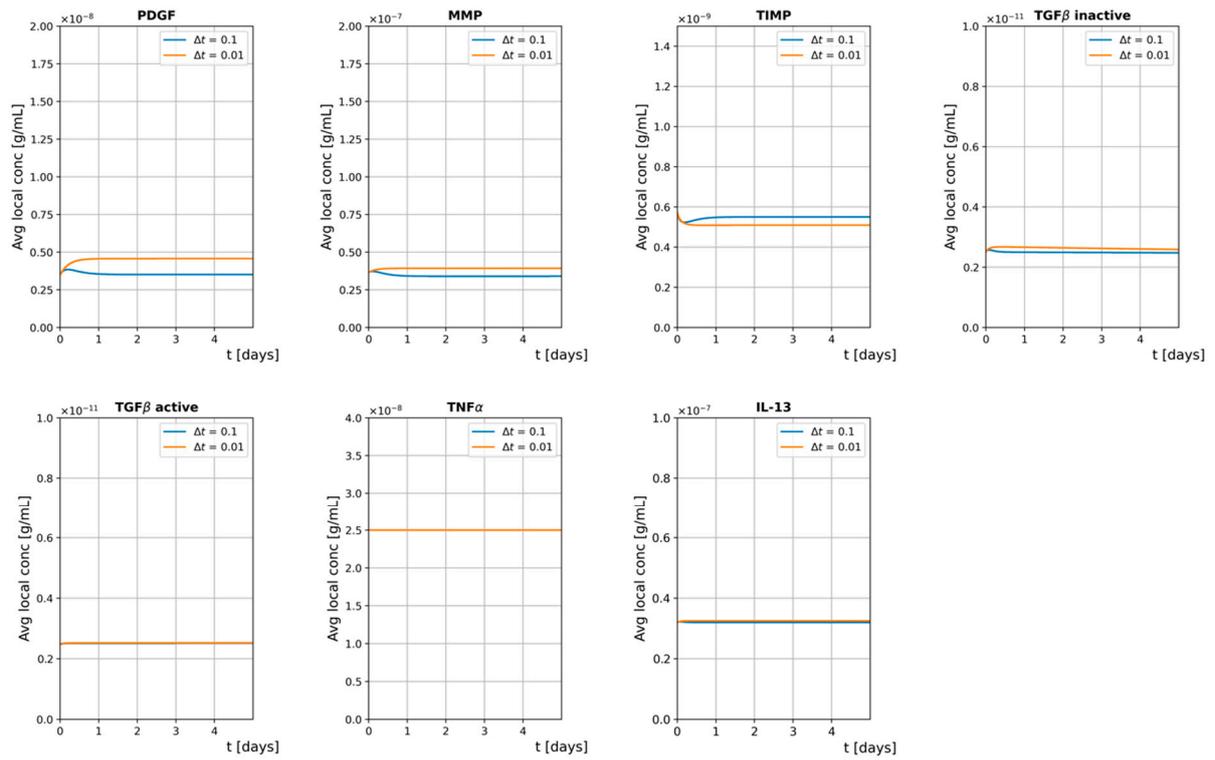


(a)



(b)

Supplementary Figure S1. Time evolution of the relative change of the extracellular mediators' average local concentration (a) and cell numbers per alveolus (b)



Supplementary Figure S2. Extracellular mediators' average local concentration for $\Delta t = 0.1$ s and $\Delta t = 0.01$ s in homeostatic conditions. We don't include MCP-1 and FGF-2 (since they are secreted by activated AEC2) and ECM (which does not diffuse). Numerical solutions are stable for both Δt values.