



Supplemental Fig.1

Differentiation of single cells derived from human conjunctival epithelium in response to different growth factors. (A) Adherent single cells do not proliferate in basal medium containing B27 alone. Addition of EGF to B27 promotes differentiation into epithelium-like cells. Addition of FGF2 instead of EGF induces the production of amorphous material, which is periodic acid Schiff (PAS)-positive (right). (B) HE staining of a cross-section of a colony shows a goblet cell-like morphology. Expressions of goblet cell-specific MUC5AC and cytokeratin 7 are detected in the colonies derived from human conjunctival epithelium by RT-PCR (C) and western blotting (D). Scale bar=50 μ m. M, size markers; CK, cytokeratin