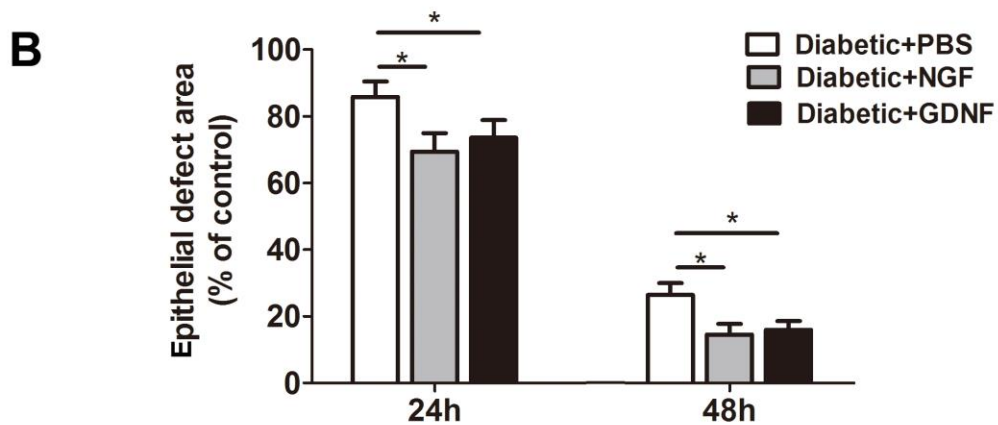
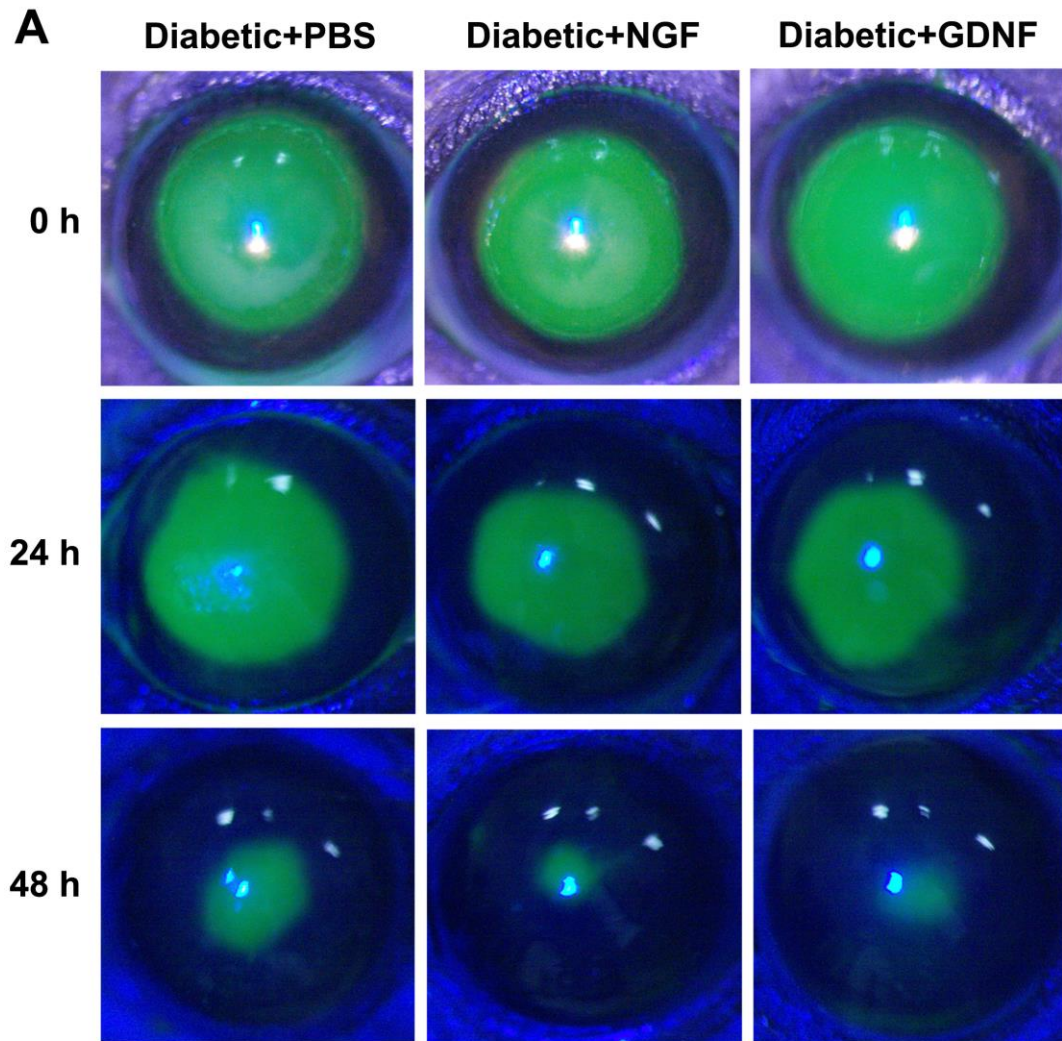
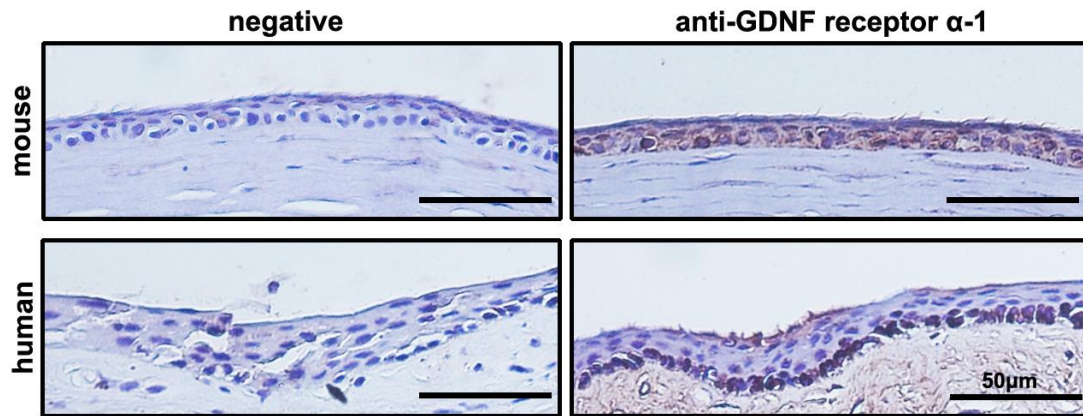


Supplement 1. Corneal epithelium and nerve fiber staining immediately (0 h) and 24 h after the epithelial removal.



Supplement 2. NGF and GDNF supplement on diabetic corneal epithelial wound healing.

Central corneal epithelium was removed and recombinant NGF or GDNF were injected subconjunctivally in diabetic mice. The corneal epithelial wound healing was monitored (A) and analyzed (B) at 24 and 48 h after the epithelial removal.



Supplement 3. Immunohistochemistry staining of GDNF receptor α -1 in mouse and human cornea. Paraffin sections of mouse and human corneal sample were stained with GDNF receptor α -1 antibody, followed by secondary antibody and 3,3'-diaminobenzidine (DAB) staining. Samples that stained without the primary antibody were used as negative control.