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Supplementary material

ENHANCEMENT OF WOUND CLOSURE IN DIABETIC MICE BY *ex vivo* EXPANDED CORD BLOOD CD34$^+$ CELLS

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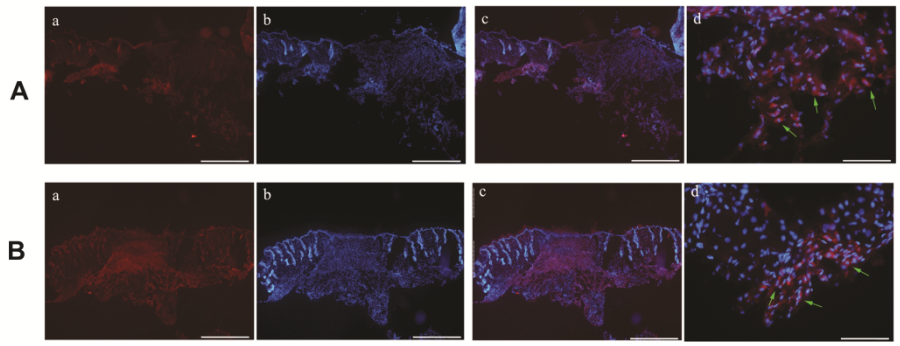
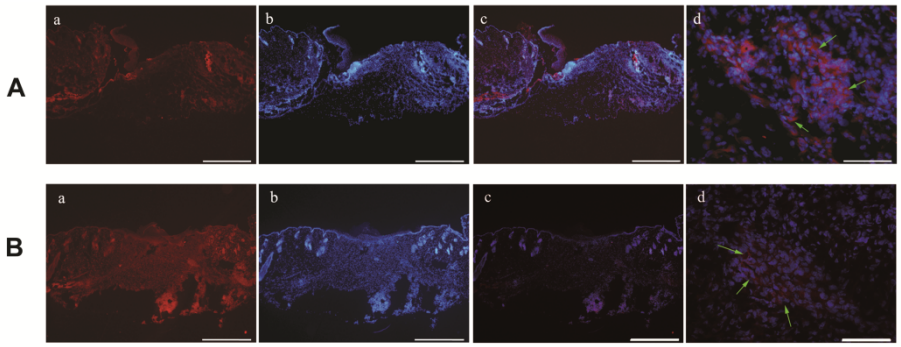


Suppl. Fig. 1. Localization of freshly isolated CB-CD34$^+$ cells in the wounds after engraftment. (a) Immunofluorescent staining for human CB-CD34$^+$ cells in wound tissues injected with freshly isolated CB-CD34$^+$ cells on days 5 (A) and 9 (B) of the treatment. Counterstaining of nuclei with DAPI on the same sections (b) and overlay images (c) are shown in the same row. Scale bar = 400 μm. (d) High magnificaion images. The arrows indicate CB-CD34$^+$ cells. Scale bar = 80 μm.



Suppl. Fig. 2. Localization of expanded CB-CD34$^+$ cells in the wounds after engraftment. (a) Immunofluorescent staining for human CB-CD34$^+$ cells in wound tissues injected with expanded CB-CD34$^+$ cells on days 5 (A) and 9 (B) of the treatment. Counterstaining of nuclei with DAPI on the same sections (b) and overlay images (c) are shown in the same row. Scale bar = 400 μm. (d) High magnification images. The arrows indicated CB-CD34$^+$ cells. Scale bar = 80 μm.

Suppl. Table 1. Complete results of pathology examination of organs and distribution of human CB-CD34$^+$ cells in the mice that received transplantation treatment.

Organs	Pathology results/Presence of human CD34$^+$ cells			
	Expanded CB-CD34$^+$cells	Freshly isolated CB-CD34$^+$cells	Cytokine cocktail alone	PBS control
Liver	Normal/No	Normal/No	Normal/No	Normal/No
Spleen	Normal/No	Normal/No	Normal/No	Normal/No
Pancreas	Normal/No	Normal/No	Normal/No	Normal/No
Right kidney	Normal/No	Normal/No	Normal/No	Normal/No
Left kidney	Normal/No	Normal/No	Normal/No	Normal/No
Adrenal gland	Normal/No	Normal/No	Normal/No	Normal/No
Mesentery	Normal/No	Normal/No	Normal/No	Normal/No
Stomach and esophagus	Normal/No	Normal/No	Normal/No	Normal/No
Small intestine	Normal/No	Normal/No	Normal/No	Normal/No
Large intestine	Normal/No	Normal/No	Normal/No	Normal/No
Right lung	Normal/No	Normal/No	Normal/No	Normal/No
Left lung	Normal/No	Normal/No	Normal/No	Normal/No
Heart	Normal/No	Normal/No	Normal/No	Normal/No
Bladder	Normal/No	Normal/No	Normal/No	Normal/No
Left and right prostate gland	Normal/No	Normal/No	Normal/No	Normal/No
Right brain hemisphere	Normal/No	Normal/No	Normal/No	Normal/No
Left brain hemisphere	Normal/No	Normal/No	Normal/No	Normal/No
Left and right eyes	Normal/No	Normal/No	Normal/No	Normal/No
Bone marrow and femurs	Normal/No	Normal/No	Normal/No	Normal/No