

Supporting Information

Localized temporal co-delivery of interleukin 10 and decorin genes using a mediated by collagen-based biphasic scaffold modulates the expression of TGF- β 1/ β 2 in a rabbit ear hypertrophic scarring model

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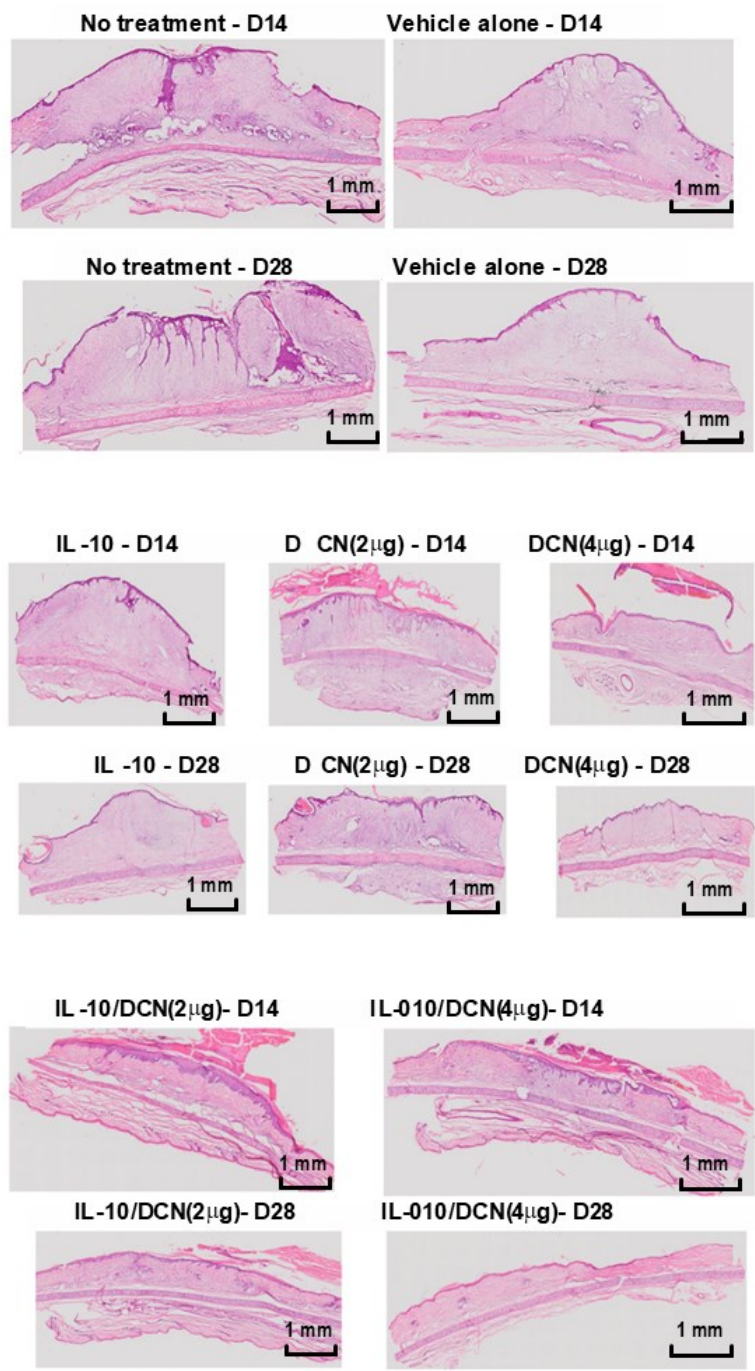


Figure S1. Whole H&E stained tissue sections of hypertrophic scarring at postoperative days (14 & 28 days).

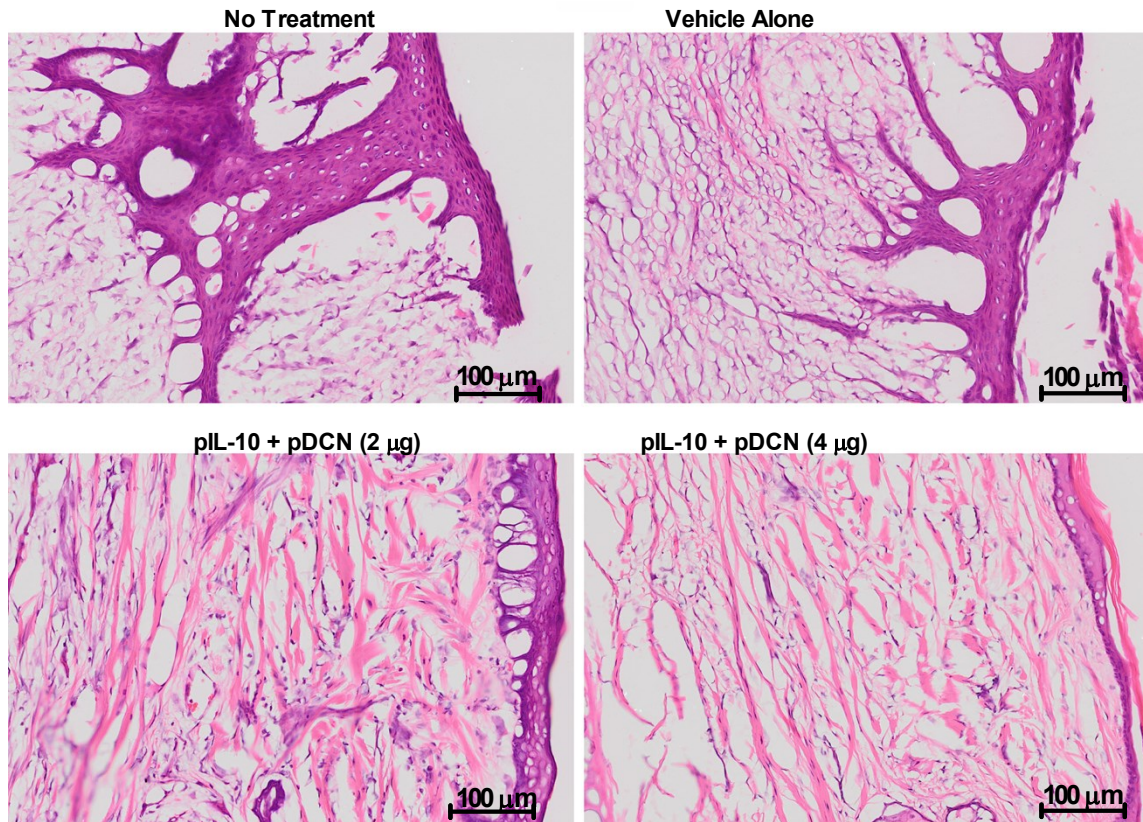


Figure S2. The histology features of fibrotic wound healing and scar formation in treatment groups.

The catalogue numbers of antibodies used for IHC:

1. Anti-IL-10 antibody (Interleukin 10) from Antibodies-online GmbH: Catalog No. ABIN1861543
2. Anti-Decorin antibody - N-terminal from Abcam: Catalog No. ab189071
3. TGF- β 1 antibody (Transforming Growth Factor, beta 1) (AA 286-293) from Antibodies-online GmbH: Catalog No. ABIN1740010
4. TGF- β 3 antibody from R&D Systems Eire Catalog No. MAB643-100
5. Collagen I Antibody from Novus Biologicals Catalog No. NB600-408-0.1mg
6. Collagen III alpha 1 / COL3A1 Antibody (1E7-D7 / Col3) - BSA Free from Novus Biologicals Catalog No. NBP1-05119

Table S1: The primer sequences used for gene expression

Gene	Primer Sequence
IL-10	F: CCTGCCTAACATGCTTCGAG (20)
	R: GGCAACCCAGGTAACCCTTA (20)
Decorin	F: TGGCAACAAAATCAGCAGAG (20)
	R: GCCATTGTCAACAGCAGAG (19)
TGF-β1	F: TGCGGCAGCTGTACATTGAC (20)
	R: GGCAGAAGTTGGCGTGGTA (19)
TGF-β2	F: GTCCAACCGGCGGAAGA (17)
	R: CAGCAATTATCCTGCACATTTCTAA (25)
TGF-β3	F: CGGCTCAAGAAGCAGAAGGA (20)
	R: CGGTGCGGTGGAATCATC (18)
Collagen I	F: AGCGATGGTCCTCCAGGT (18)
	R: GCCAGGGTAACCACGTTCT (19)
Collagen III	F: AGATGGAGAATCAGGAC (17)
	R: TTCATCCAGGGAAGCCA (18)