

Supplementary Information for

**Systemic high mobility group box 1 administration suppresses skin inflammation
by inducing an accumulation of PDGFR α ⁺ mesenchymal cells from bone marrow**

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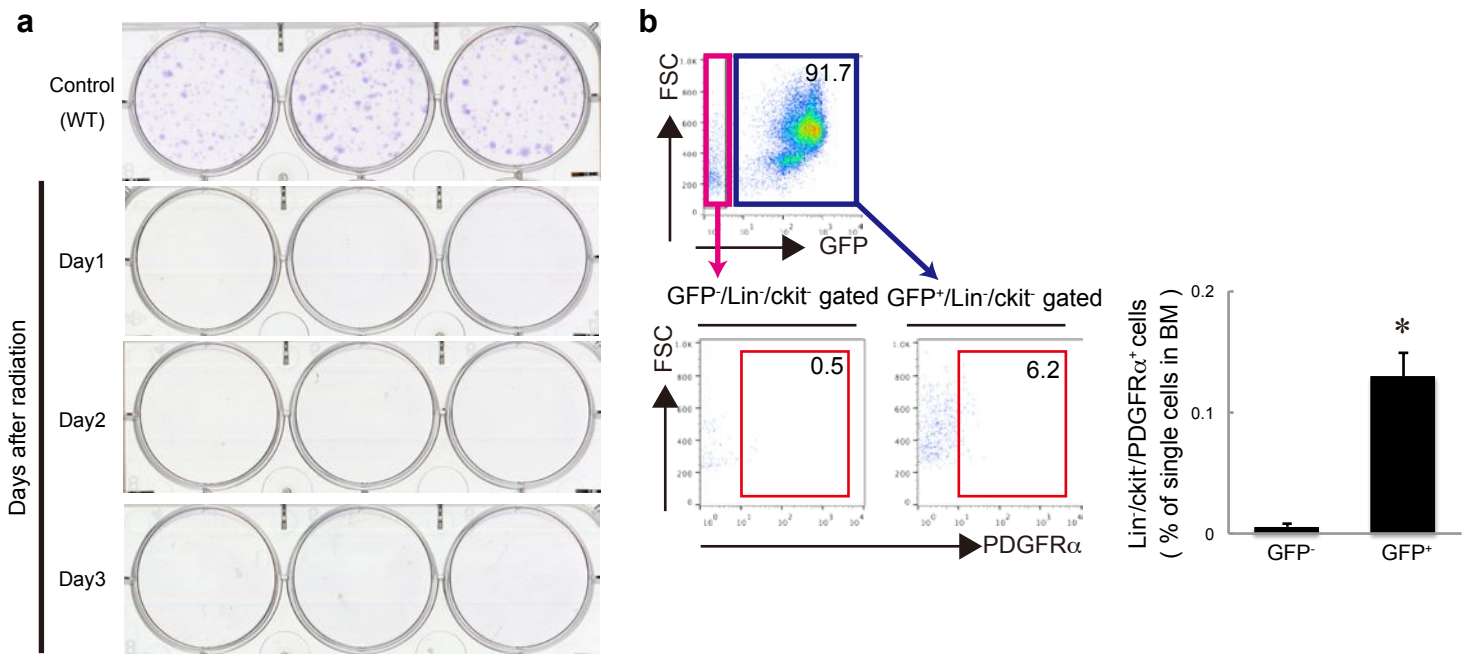


Figure S1. The GFP-BMT model was analyzed by CFU assay and flow cytometry. (a): Colony-forming unit (CFU) assay for bone marrow cells (BMCs) of wild type mice before and after irradiation. (b): Flow cytometry analysis of BMCs in GFP-BMT mice. The percentages of Lin⁻/ckit/PDGFR α ⁺ cells among GFP⁺ or GFP⁻ cells are shown in the right panel.

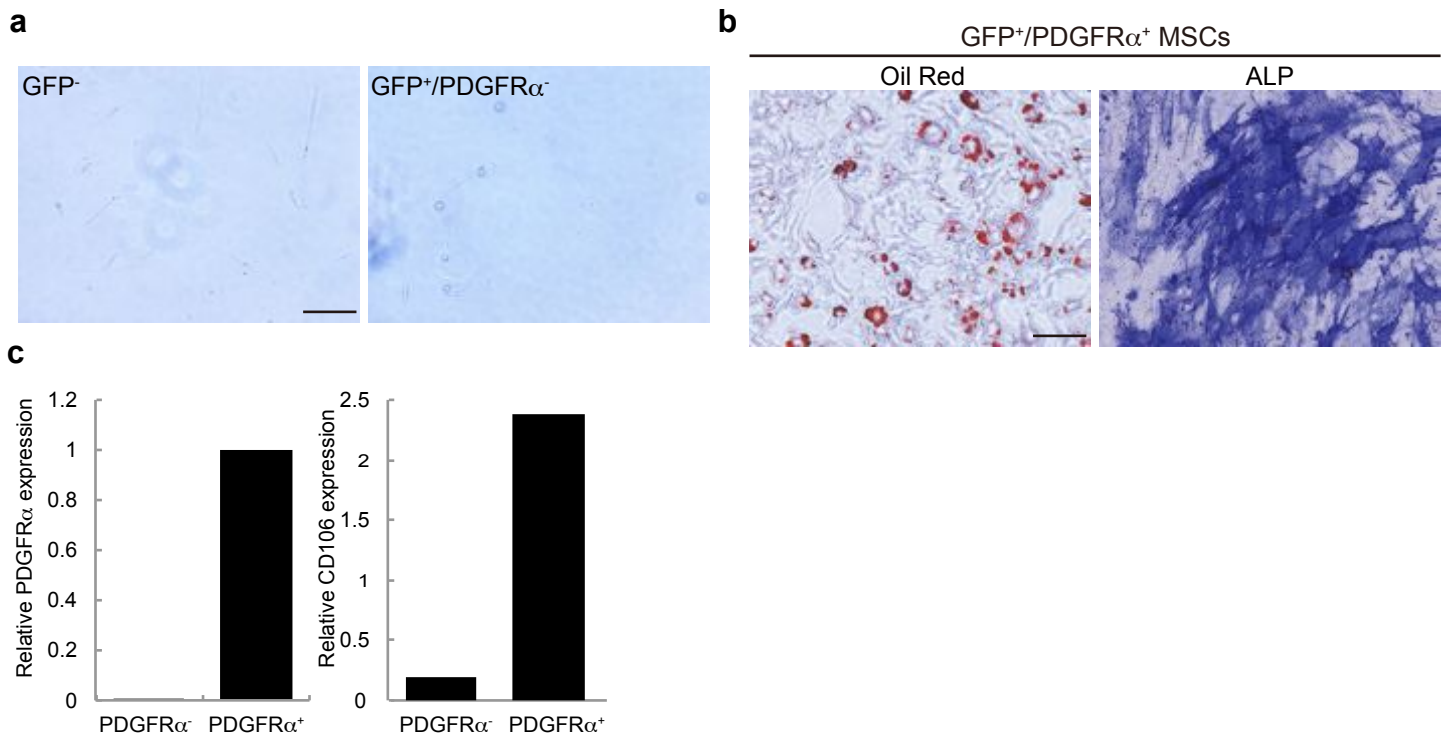


Figure S2. GFP⁺/PDGFR α ⁺ cells in skin grafts have some characteristics of MSCs. (a): Representative pictures of GFP⁻ cells and GFP⁺/PDGFR α ⁻ cells isolated from skin grafts. (b): Oil-red staining and ALP staining. (c): The expressions of PDGFR α and CD106 in sorted cells from skin grafts. Bar = 200 μ m.

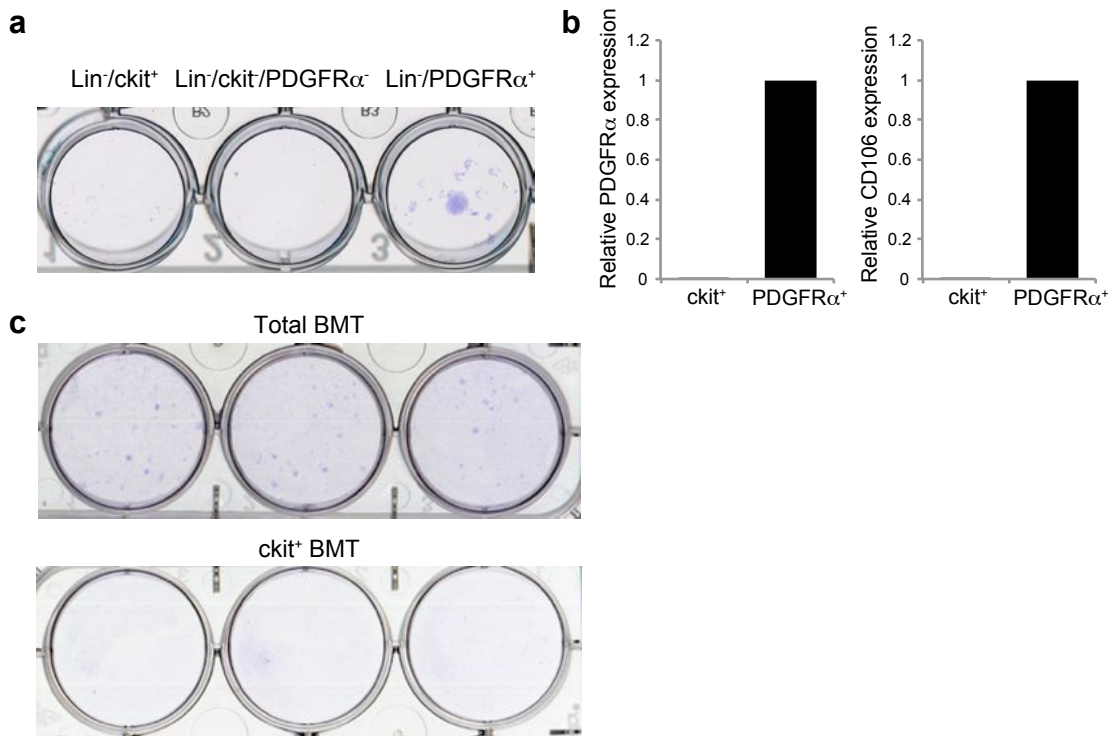


Figure S3. ckit⁺ BM cells did not include PDGFR α ⁺ mesenchymal cells. (a): CFU assay for freshly isolated BMCs. BMCs were FACS sorted to Lin⁻/ckit⁺ cells, Lin⁻/PDGFR α ⁺ cells, and Lin⁻/ckit⁻/PDGFR α ⁻ cells. (b): The expressions of PDGFR α and CD106 in sorted BMCs. (c): Results of the CFU assay for BMCs in BMT mice.

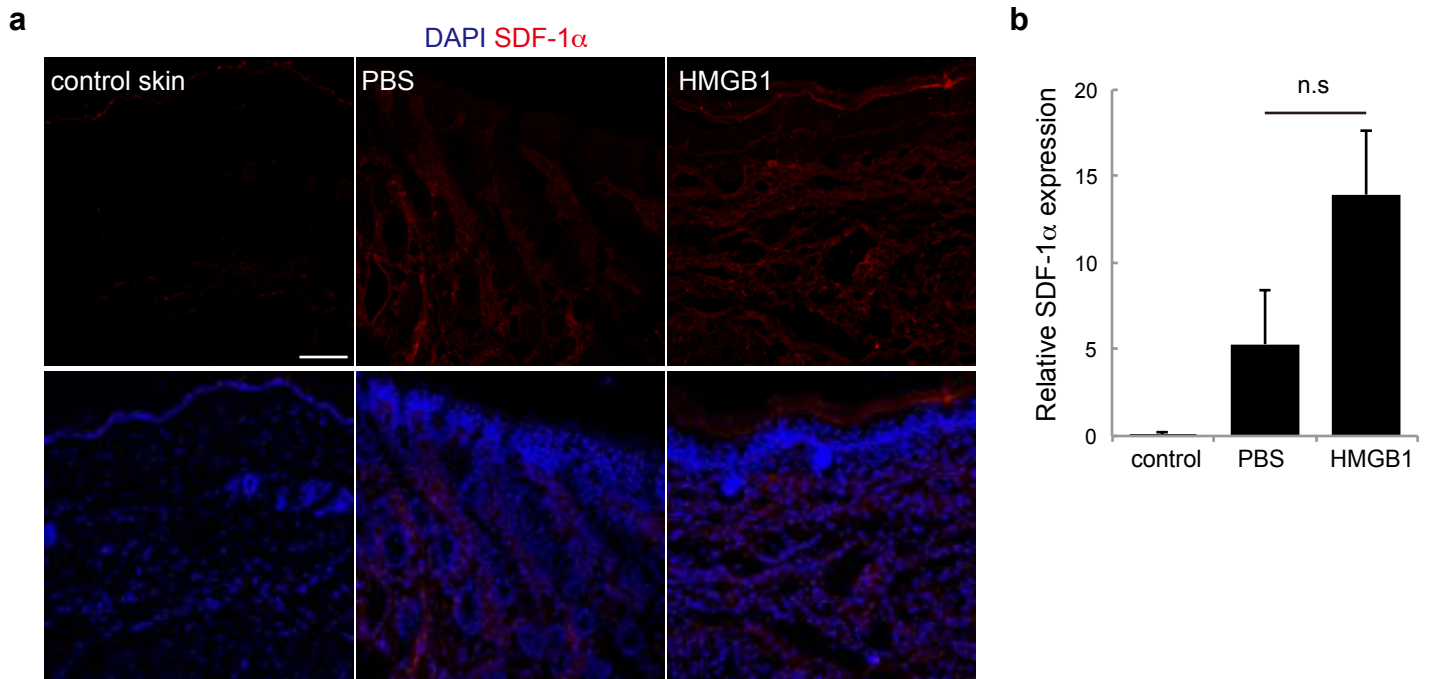


Figure S4. Skin grafts expressed SDF-1 α . (a): Representative images of skin grafts stained for SDF-1 α .

Nuclei were stained with DAPI. Bar = 200 μ m. (b): The expressions of SDF-1 α in skin grafts with or without HMGB1 administration.