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Title	Vitamin A-coupled liposomes containing siRNA against HSP47 ameliorate skin fibrosis in chronic graft-versus-host disease
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Supplementary Legends

Supplementary Figure 1. Single and merged channels of immunofluorescence images

Single and merged channels of immunofluorescent images of Figure 1B (A), Figure 1C (B), Figure 1D (C), Figure 1F (D), Figure 2C (E), Figure 3A (F), Figure 3C (G), Figure 3G (H), and Figure 3I (I). Scale bar, 50 μ m.

Supplementary Figure 2. Triple immunofluorescence staining of myofibroblasts

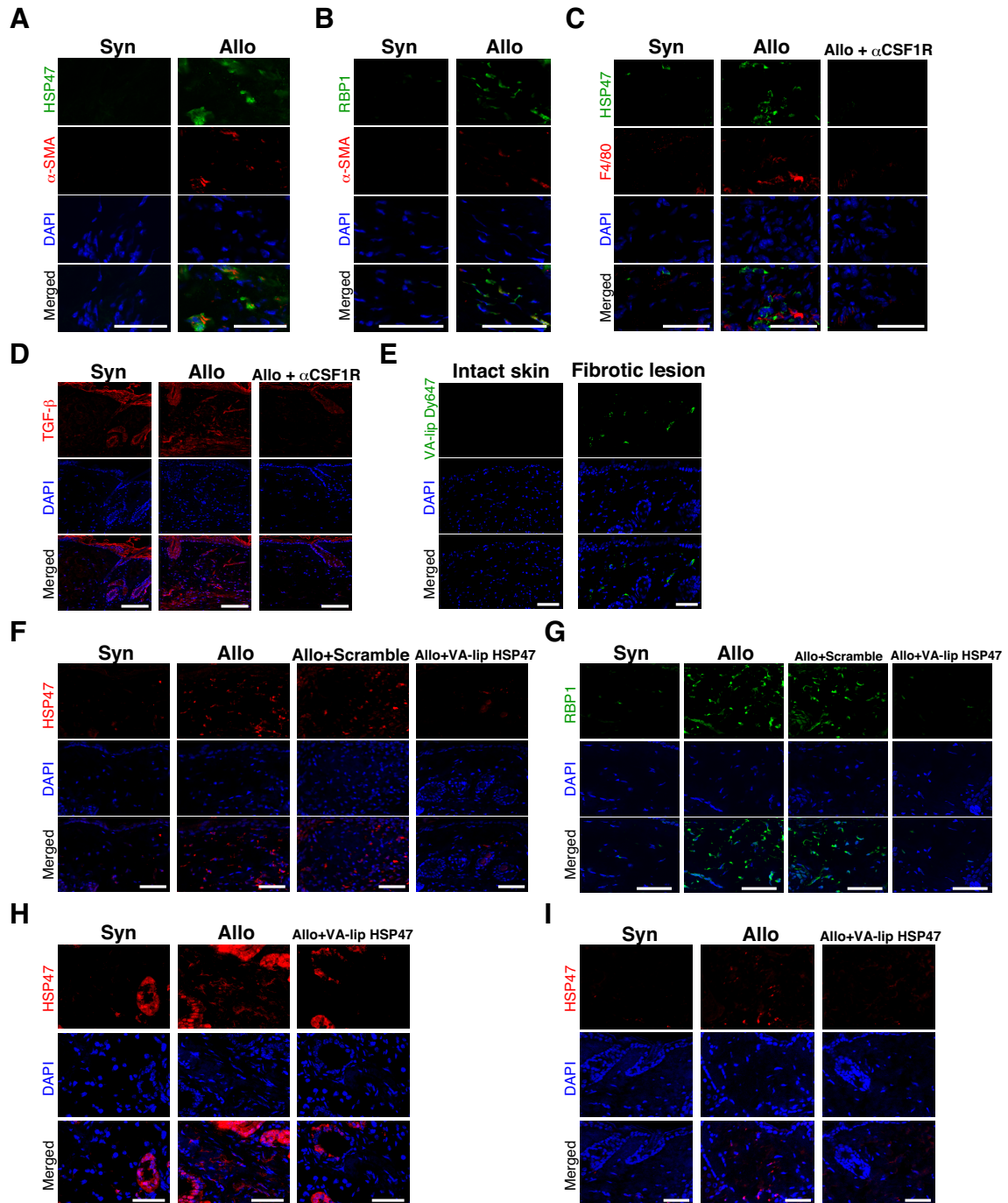
Mice were transplanted as in Fig. 1 and skin samples were harvested on day +42 after transplantation. (A) Single and merged channels of triple immunofluorescent images of RBP1 (green), HSP47 (blue), and α SMA (red) of skin sections from syngeneic or allogeneic recipients were shown. Scale bar, 30 μ m. (B) 3D-images reconstructed from multichannel z-stack images of the fields marked with white rectangles are shown with or without DAPI signal (white).

Supplementary Figure 3. VA-lip HSP47 do not impact on GVHD mortality, thymic GVHD, donor T cell expansion, or engraftment

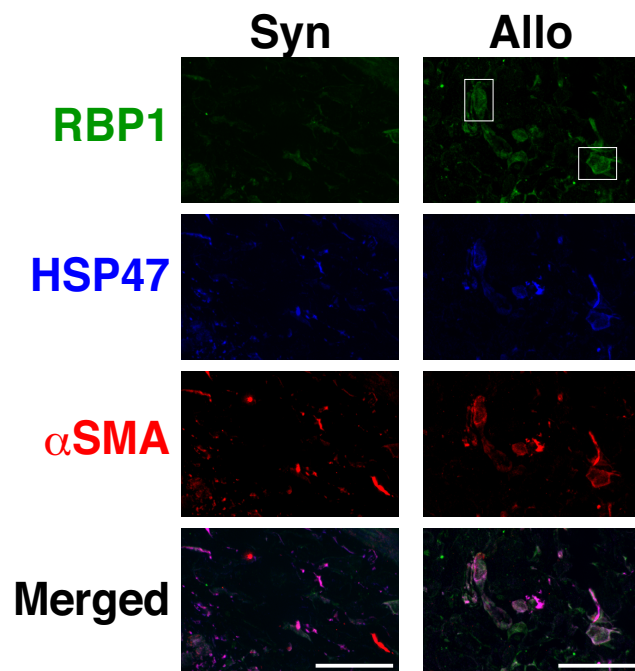
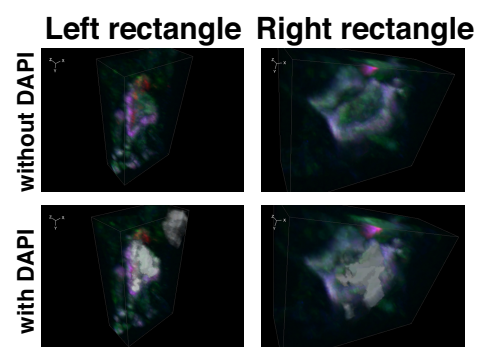
(A-D) Mice were transplanted and treated with VA-lip HSP47 as in Fig. 3. (A) Survival curves in syngeneic (n=14), allogeneic control (n=35), and allogeneic received VA-lip HSP47 (n=33) from 3 independent experiments are shown. (B-D) Flow cytometric analyses were performed on day +42. Absolute numbers of CD4⁺CD8⁺ double positive cells in the thymus (B) (n=7-10/group), and absolute numbers of donor CD4⁺ and CD8⁺ T cells in the spleens (C) of syngeneic (n=4), allogeneic control (n=9), and allogeneic received VA-lip HSP47 (n=8) from 2 independent experiments are combined and shown as means $\pm$ SEM. (D) Donor chimerism in T

cells or CD11b⁺ myeloid cells were determined in the spleens and shown as means $\pm$ SEM (n= 8-9 /group). N.S. , not significant.

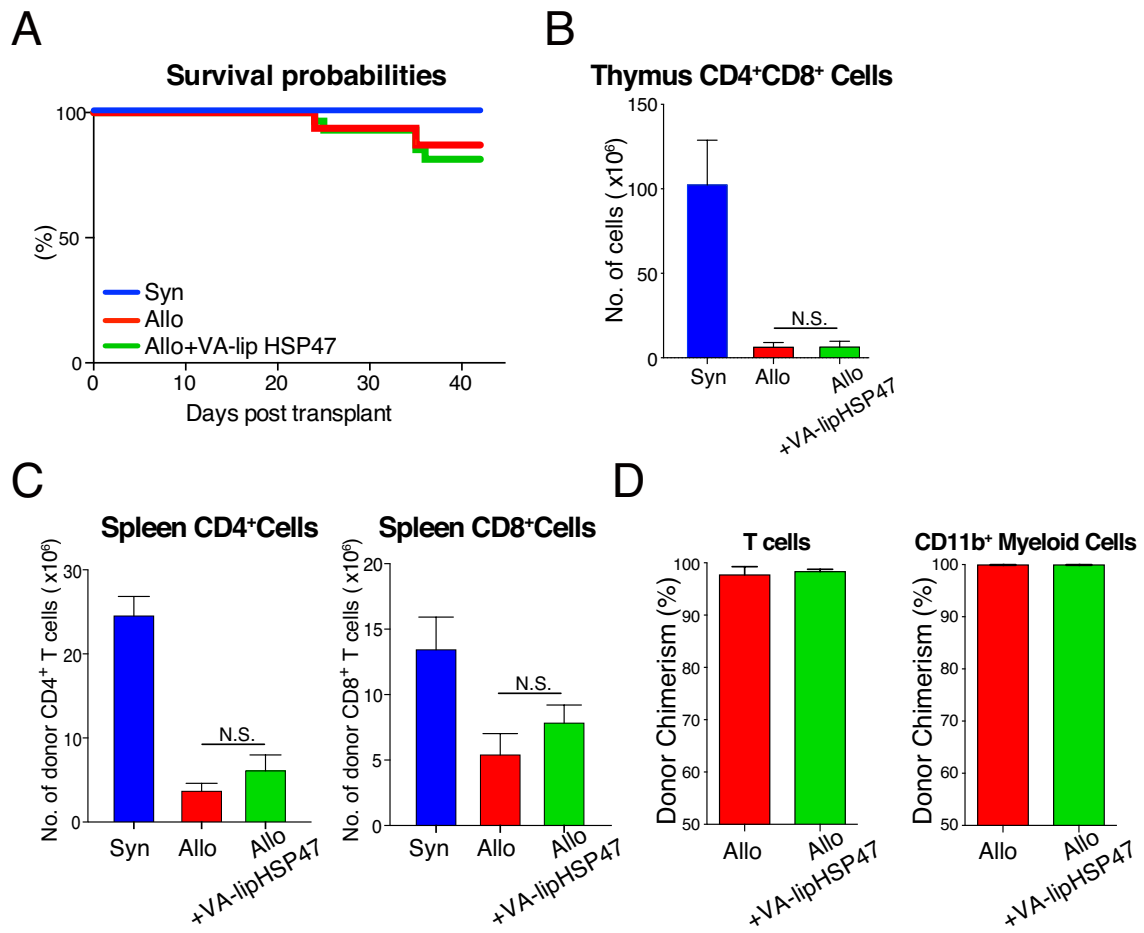
Supplementary Figures



Supplementary Figure 1.
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A**B**

Supplementary Figure 2.
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Supplementary Figure 3.
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