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Supplementary Materials for

In situ recruitment of regulatory T cells promotes donor-specific tolerance in vascularized composite allotransplantation

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Fig. S1. Characterization of Recruitment-MP and experimental timeline for hindlimb transplantation.

Fig. S2. Skin flow cytometry gating strategy used for Fig. 2C.

Fig. S3. Representative images of a hindlimb VCA recipient challenged with LEW, BN, and WF nonvascularized skin grafts.







Fig. S2. Skin flow cytometry gating strategy used for Fig. 2C. Flow analysis of a single cell suspension from a 1cm² allograft skin biopsy. Gates identify total leukocytes (Live CD45⁺), CD8⁺ cytotoxic T cells, CD4⁺ FoxP3⁺ Treg, and CD4⁺ FoxP3⁻ helper T cells.



Fig. S3. Representative images of a hindlimb VCA recipient challenged with LEW, BN, and WF nonvascularized skin grafts. (**A**) Animals with long-term surviving grafts from the 50mg Recruitment-MP group were subject to a secondary skin graft challenge from same strain donors (BN) and third-party donors (WF), with autologous LEW grafts serving as controls. (A) Animals accept BN skin grafts, as evidenced BN hair growth (animal pictured 29 days after skin graft). (**B**) Conversely, animals fail to accept third-party (WF) grafts, as evidenced by complete graft necrosis (animal pictured 14 days after skin graft). WF grafts eventually slough off as an eschar, and only a contractured wound bed remains. Photo Credit: James D. Fisher, University of Pittsburgh.