SUPPLEMENTARY FIGURE LEGENDS:

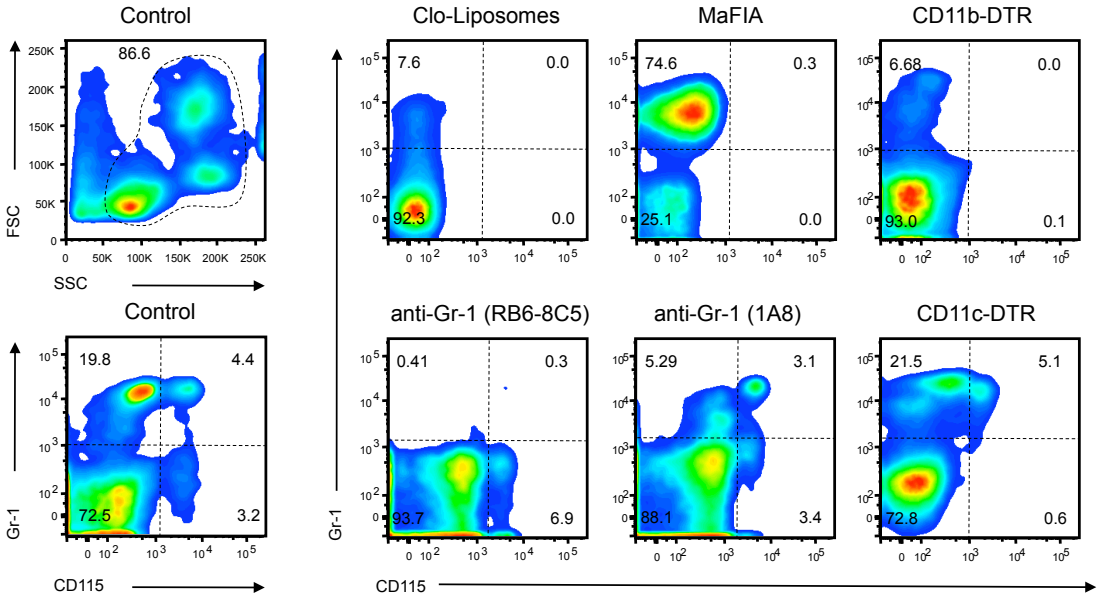
Supplementary Figure 1. CD11b+CD115+Gr1+ monocytes are necessary for transplantation tolerance

Dot plots show the percentage of blood circulating CD115+Gr1+ monocytes following in vivo depletional treatment as indicated (n=5 mice per group).

Supplementary Figure 2. Tolerogenic CD11b+CD115+Gr1+ monocytes traffic to the allograft

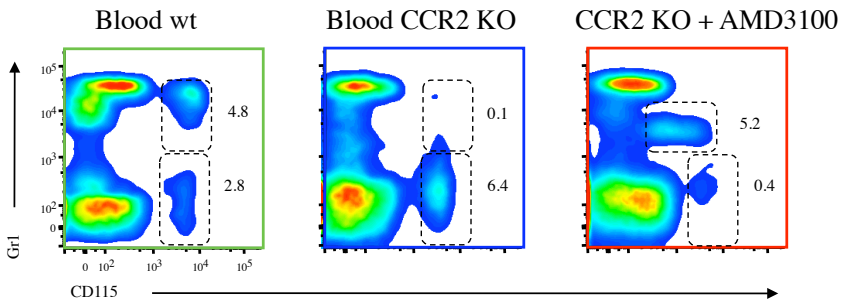
a, Dot plots show that transplanted *Ccr2*$^{-/-}$ mice do not increase the percentage of blood circulating CD115+Gr1+ monocytes (n=5 mice per group). An increase in blood circulating CD115+Gr1+ monocytes in transplanted *Ccr2*$^{-/-}$ mice is observed following treatment with the CXCR4 agonist AMD3100 (n=5 mice per group). ***b***, Dot plots indicate the sorting strategy for adoptively transferred CD115+CD11b+Gr1+ monocytes isolated from bone marrow. Cytospins show the morphology of sorted CD115+CD11b+Gr1+ monocytes and were prepared from 10,000 cells, air-dried, and fixed in 3% paraformaldehyde. ***c***, Dot plots show that tolerogen treated wild type recipients have a decreased percentage of graft infiltrating CD11b+Gr1+ monocytes if donor allografts are deficient in P- and E-selectins (n=5 mice per group). ***d***, Fluorescent immunohistochemistry indicates that adoptive transferred CFSE labeled CD115+CD11b+Gr1+ monocytes from *FucTIV-VII*$^{-/-}$ deficient mice do not enter the transplanted allograft, in contrast to wild type CD115+CD11b+Gr1+ monocytes. Magnification, X10. (n=5 mice per group).

Supplementary Figure 1

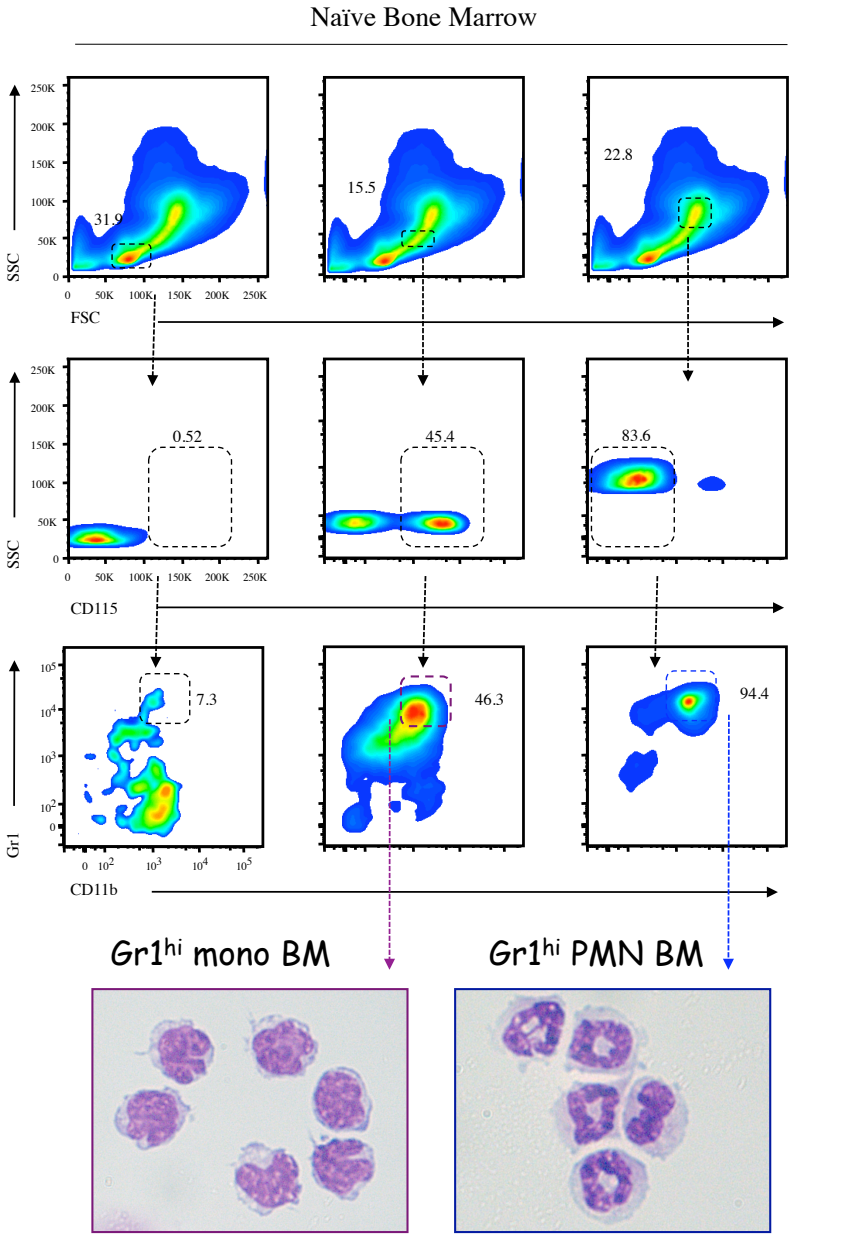


Supplementary Figure 2

a

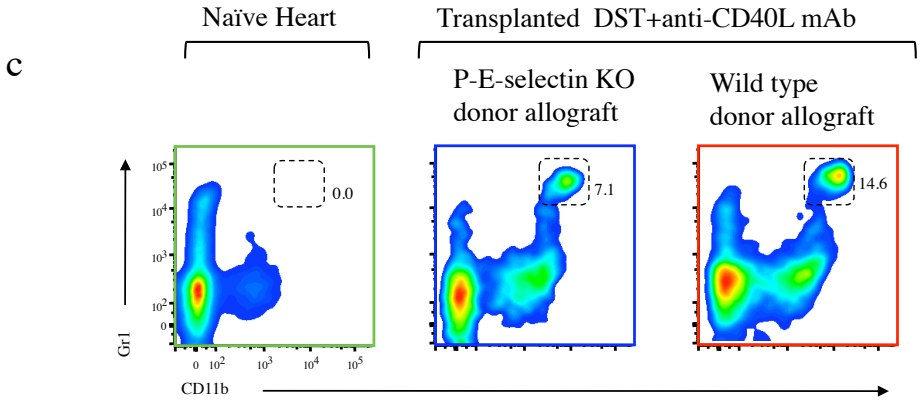


b



Supplementary Figure 2

c



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