Supplemental Data

T Cell-Specific siRNA Delivery Suppresses HIV-1 Infection in Humanized Mice

Priti Kumar, Hong-Seok Ban, Sang-Soo Kim, Haoquan Wu, Todd Pearson, Dale. L. Greiner, Amale Laouar, Jiahong Yao, Viraga Haridas, Katsuyoshi Habiro, Yong-Guang Yang, Ji-Hoon Jeong, Kuen-Yong Lee, Yong-Hee Kim, Sung Wan Kim, Matthias Peipp, Georg H. Fey, Manjunath N, Leonard D. Shultz, Sang-Kyung Lee, and Premlata Shankar

Table S1.

mir-16	5'- TAGCAGCACGTAAATATTGGC -3'
mir-150	5'-TCTCCCAACCCTTGTACCAG -3'
mir-142-3p	5'- GTAGTGTTTCCTACTTTATG -3'
mir-181a	5'- AACATTCAACGCTGTCGGTG -3'
U6B	5'- ATGACACGCAAATTCGTGAAGC -3'
Reverse primer	5'- GCGAGCACAGAATTAATACGAC -3'
miR RT oligo dT	5'- GCGAGCACAGAATTAATACGACTCACTATAGGT(20)VN -3'
HuCCR5 (forward)	5'- GGCAGGGCTCCGATGTATAA -3'
HuCCR5 (reverse)	5'- CATCCGTTCCCCTACAAGAA -3'

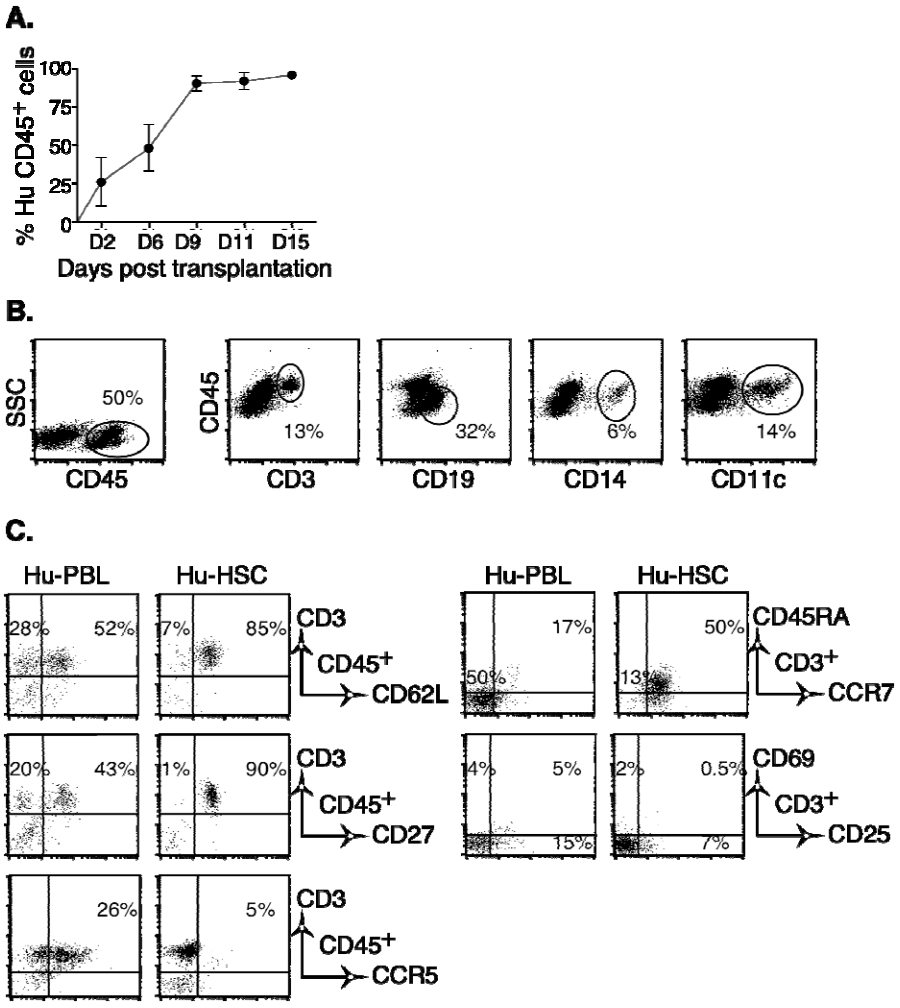

Figure S1. Human cell repopulation in NOD/SCIDIL2rγ$^{-/-}$ mice after engraftment. (A) The kinetics of human leukocyte expansion in NOD/SCIDIL2rγ$^{-/-}$ mice engrafted with human PBL (Hu-PBL mice) were assessed by staining mouse peripheral blood cells with anti-human CD45 at each indicated time point (n=3). Error bars represent standard deviation. (B) Reconstitution of human leukocyte lineages in NOD/SCIDIL2rγ$^{-/-}$ mice after engraftment with CD34^{+} HSC (Hu-HSC mice) was tested by flow cytometric analysis of peripheral blood cells 12 weeks after CD34^{+} HSC transplantation. (C) Peripheral blood cells from Hu-HSC and Hu-PBL mice were compared for expression of naïve and activated T cell markers using the indicated antibodies. Percentages corresponding to either CD45^{+} or CD3^{+} gated populations are indicated in the left and right panels, respectively.