

SUPPLEMENTAL MATERIAL

Penack et al., <http://www.jem.org/cgi/content/full/jem.20090623/DC1>

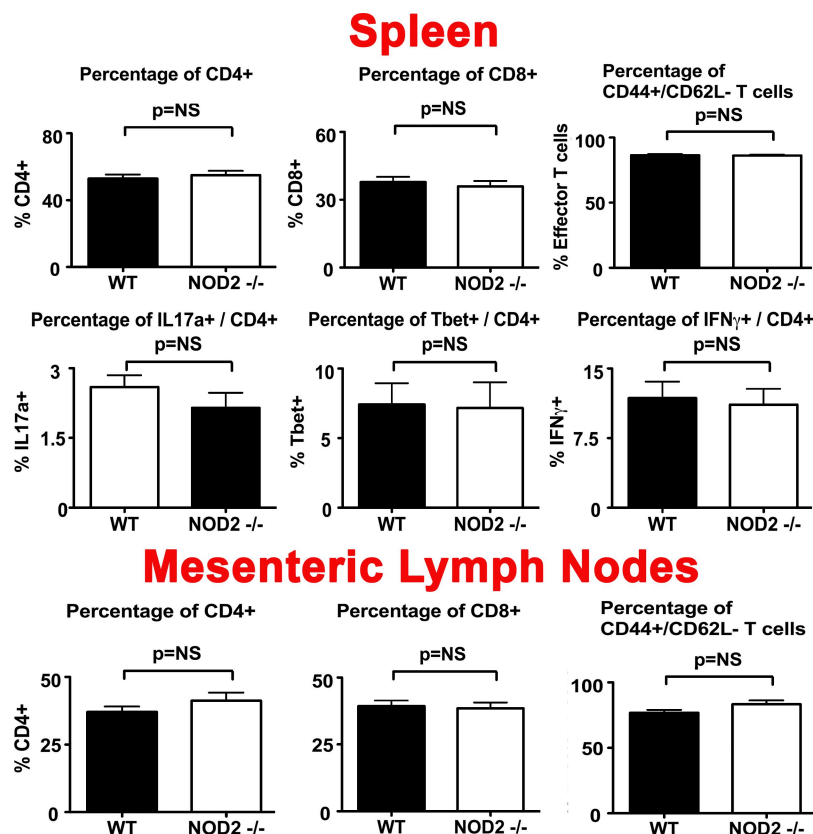


Figure S1. The percentages of CD4⁺, CD8⁺, CD44⁺/CD62L⁻, IL-17a⁺CD4⁺, IFN- γ ⁺CD4⁺, and Tbet⁺CD4⁺ donor T cells are not significantly different in B6 NOD2^{-/-} allo-BMT recipients as compared with B6 WT allo-BMT recipients. Lethally irradiated (11 Gy) B6 WT versus B6 NOD2^{-/-} allo-BMT recipients were transplanted with 5×10^6 B10BR TCD-BM + 10^6 B10BR T cells. Organs were harvested at day 14 after allo-BMT. Combined data from two independent experiments are shown; $n = 10$ /group. Error bars indicate SEM.

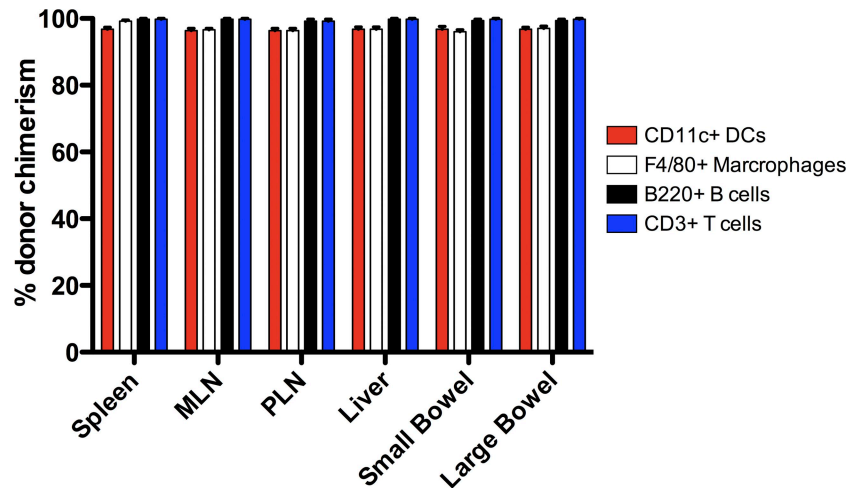


Figure S2. The donor chimerism of hematopoietic cell subsets is >95% in multiple organs at day 90 after syngeneic BMT after lethal irradiation. Lethally irradiated (11 Gy) B6 mice were transplanted with 5×10^6 B6 Ly5.1 BM. Organs were harvested at day 90 after BMT, digested, and analyzed by flow cytometry. Cells of donor origin were defined by their Ly5.1 positivity. The percentage of B6 Ly5.1⁺ cells in hematopoietic cell subsets in multiple organs is shown; $n = 5/\text{group}$. PLN, pelvic LN. Error bars indicate SEM.

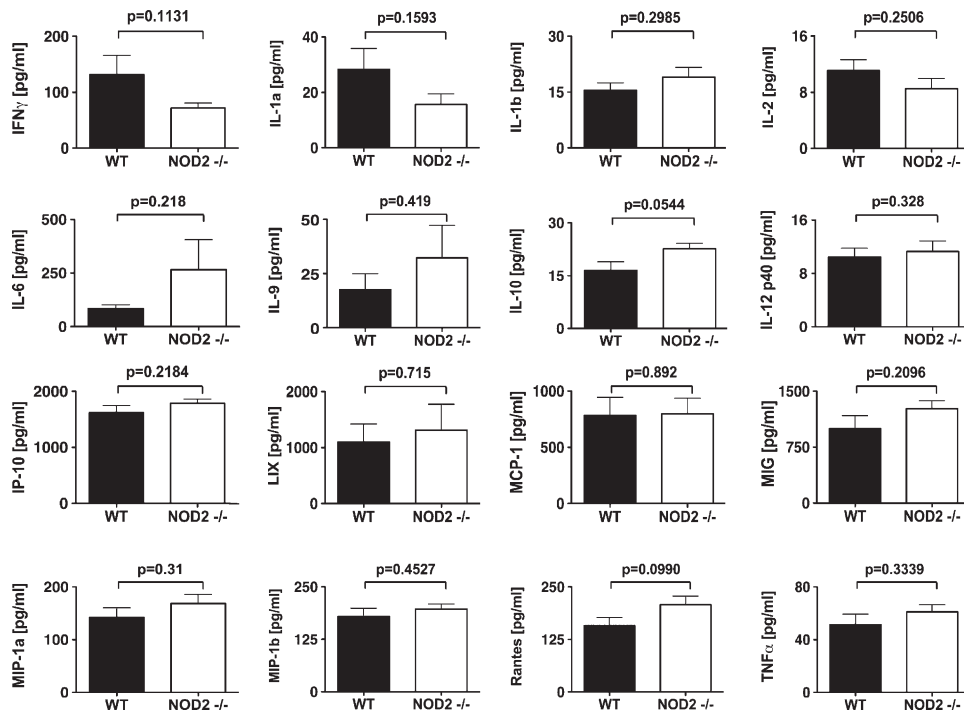


Figure S3. The serum levels of multiple cytokines and chemokines during GVHD are not significantly different in B6 NOD2^{-/-} allo-BMT recipients as compared with B6 WT allo-BMT recipients. Lethally irradiated (11 Gy) B6 WT versus B6 NOD2^{-/-} allo-BMT recipients were transplanted with 5×10^6 B10BR TCD-BM + 2×10^6 B10BR T cells. Serum was obtained by eye bleeding at day 7 after allo-BMT. Combined data from two experiments are shown; $n = 10/\text{group}$. Error bars indicate SEM.

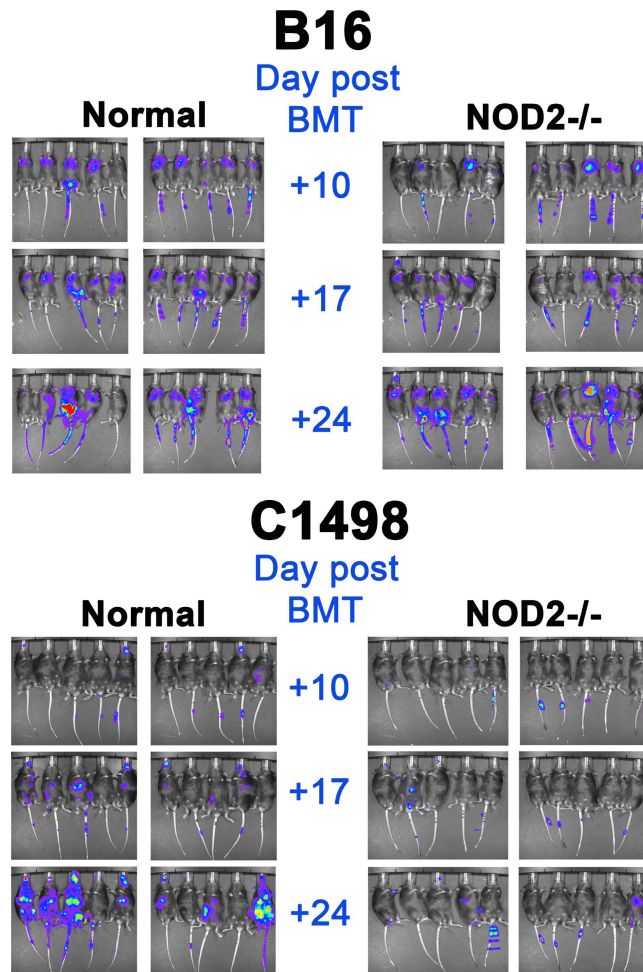


Figure S4. NOD2^{-/-} mice have intact resistance against experimental tumors. B6 WT and B6 NOD2^{-/-} mice were challenged intravenously with 2×10^5 C1498 AML cells or 10^5 B16 melanoma cells. $n = 10/\text{group}$; one out of two independent experiments for each tumor is shown. Bioluminescence imaging shows that early tumor growth is slightly reduced in B6 NOD2^{-/-} mice as compared with B6 WT mice.