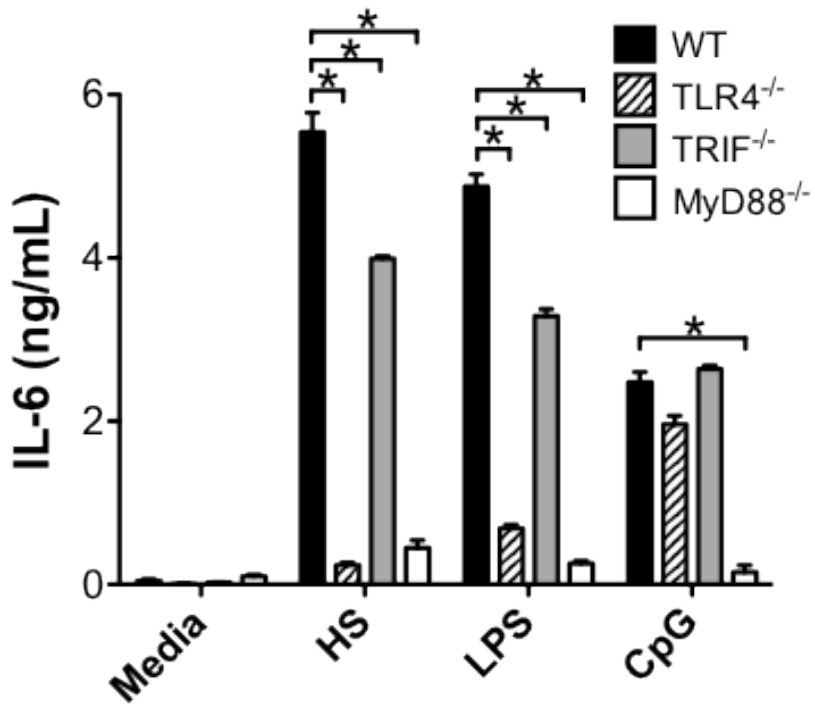
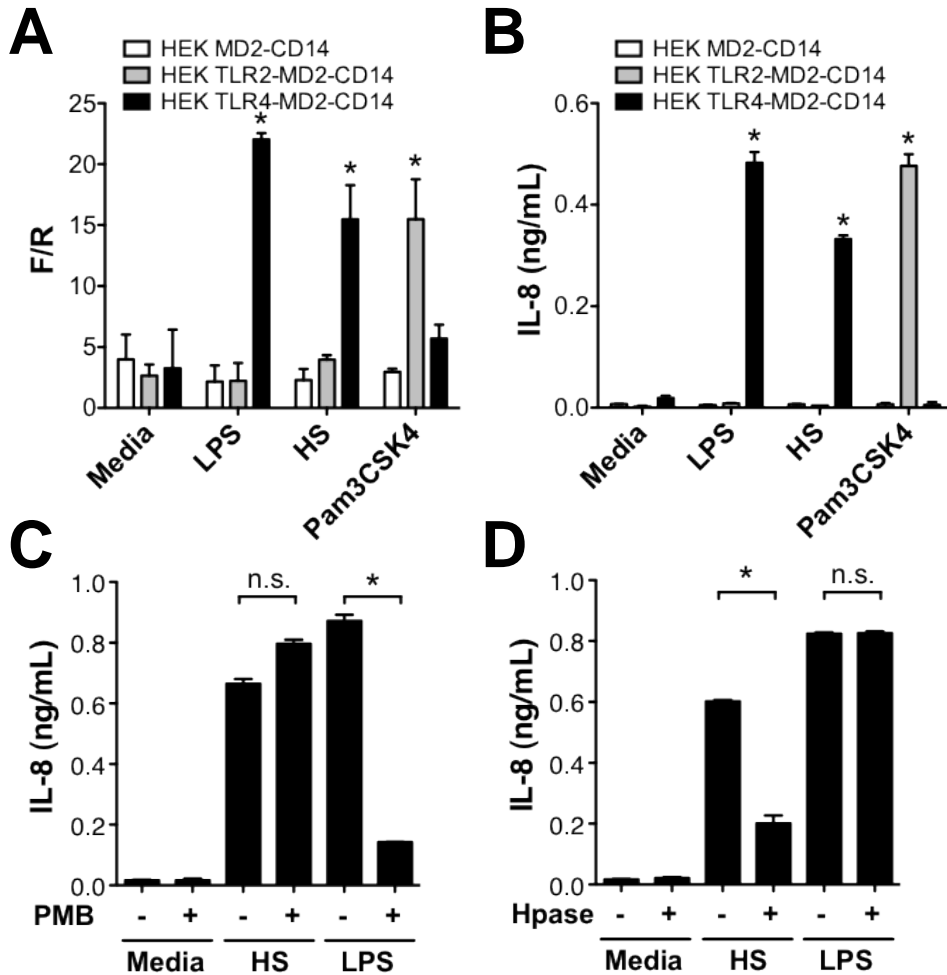


Suppl. Figure 1



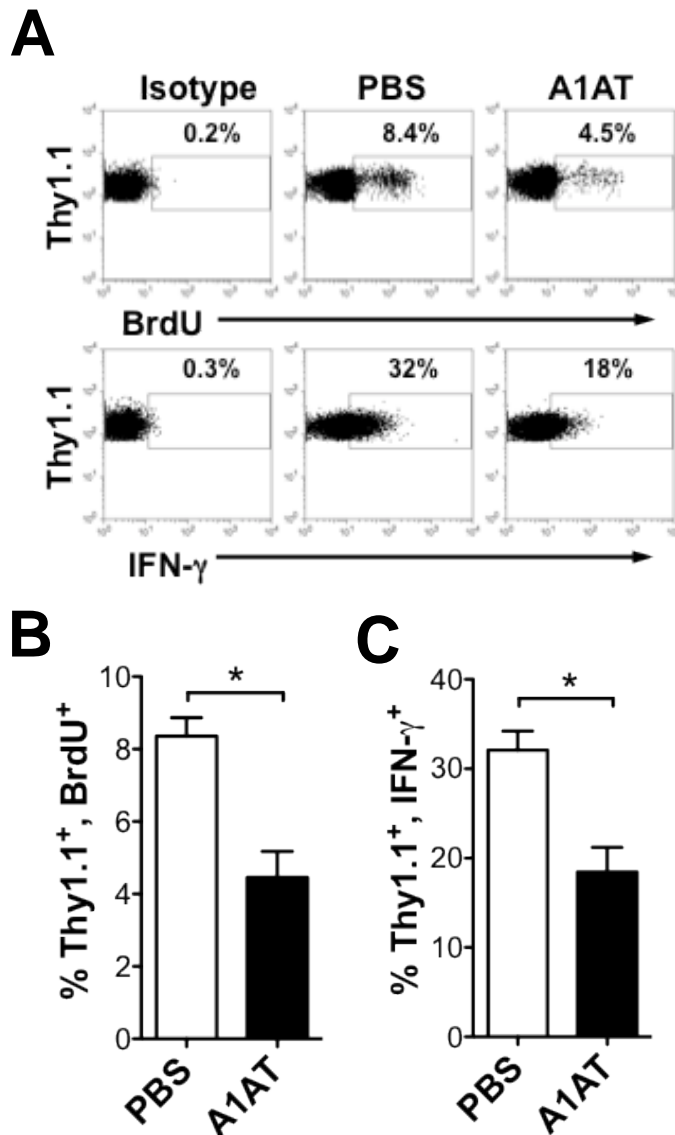
Supplemental Figure 1. The intracellular adaptor molecule, TRIF, has a minor role in HS induction of IL-6 expression by DCs. ELISA analysis of IL-6 production by WT, TLR4^{-/-}, TRIF^{-/-}, and MyD88^{-/-} cultured C57BL/6 DCs (2 x 10⁵/well) incubated with HS (25 µg/mL), LPS (100 ng/mL) or CpG (10 µg/mL) for 24 hrs, *p<0.05.

Suppl. Figure 2



Supplemental Figure 2. TLR4 is sufficient for HS induced activation of NF- κ B and IL-8 expression. HEK cell lines stably expressing CD14 and MD2 alone (HEK MD2-CD14), or co-expressed with human TLR2 (HEK TLR2-MD2-CD14) or human TLR4 (HEK TLR4-MD2-CD14) were transfected with a plasmid encoding firefly luciferase (F) under control of the NF- κ B promoter along with a plasmid expressing Renilla luciferase (R) under control of the thymidine kinase promoter as a transfection control. Cell lines were cultured for 6 hours with media alone, LPS (100 ng/mL), HS (100 μ g/mL), or Pam3CSK4 (2 μ g/mL). (A) Cells were then lysed and the ratio of F/R was measured by dual luciferase reporter assay to determine NF- κ B activation, * p <0.05 compared with media alone. (B) Supernatants were analyzed for IL-8 production by ELISA. (C) HEK TLR4-MD2-CD14 cells were tested for IL-8 production in response to LPS and HS +/- PMB or (D) +/- heparanase (Hpase), * p <0.05. Experiments were performed in triplicate or quadruplicate. Results are representative of two to three independent experiments.

Suppl. Figure 3



Supplemental Figure 3. A1AT treatment decreases alloreactive T cell responses in Allo-HSCT recipients. BALB/c Thy1.2 recipient of B10.D2 Thy1.1 Allo-BM+LC were treated with i.p. injections of A1AT (2 mg in PBS) or PBS control every 3 days, beginning 1 day prior to HSCT. (A) Six days after transplant, recipients were pulsed with BrdU and their splenocytes were FACS analyzed for BrdU incorporation and IFN-g production. Positive FACS gates were set by isotype antibody staining and plots are representative of 5 mice. Averages and SEM of Thy1.1⁺ T cells positive for BrdU (B) and IFN-g (C) are plotted, * $p < 0.05$.