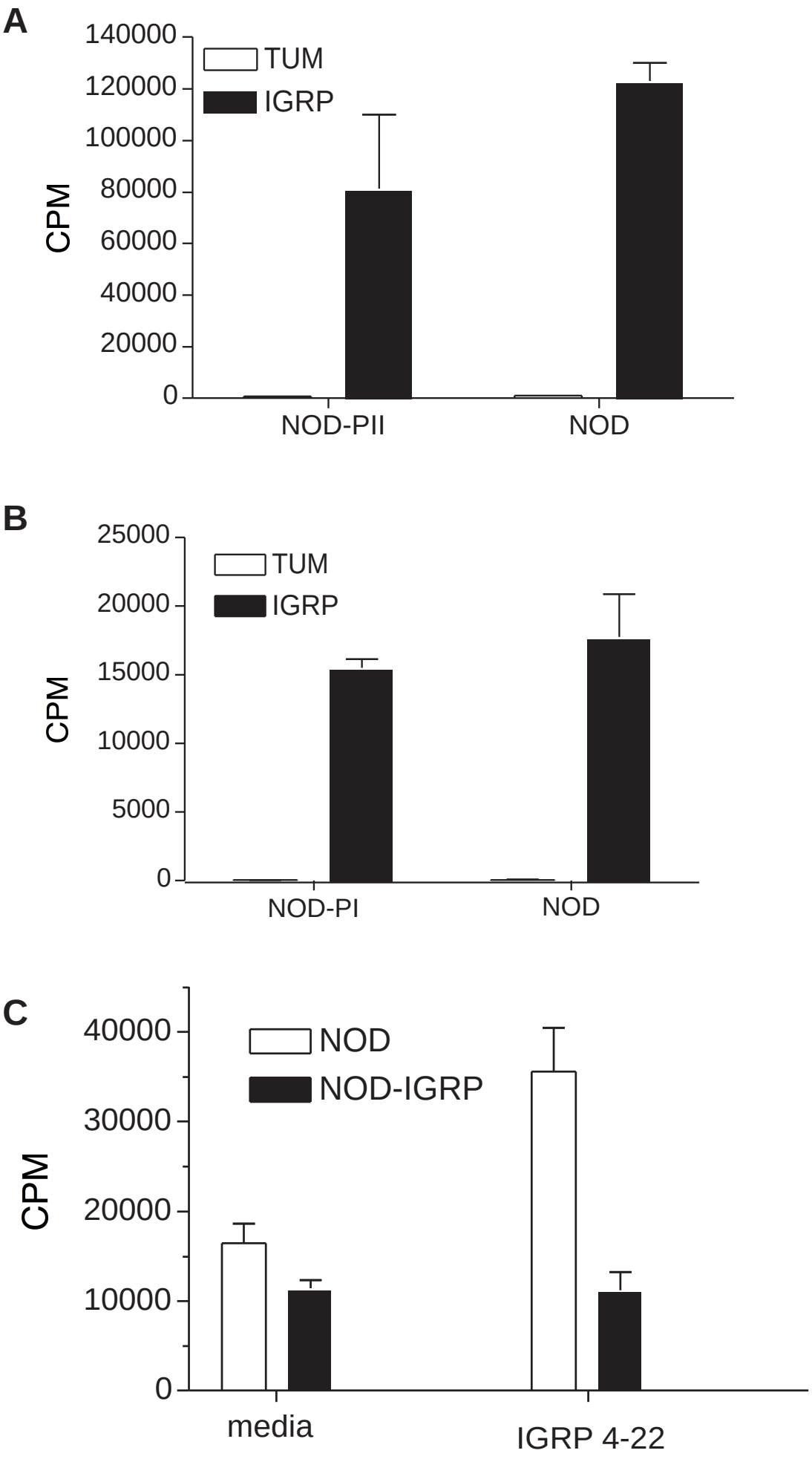
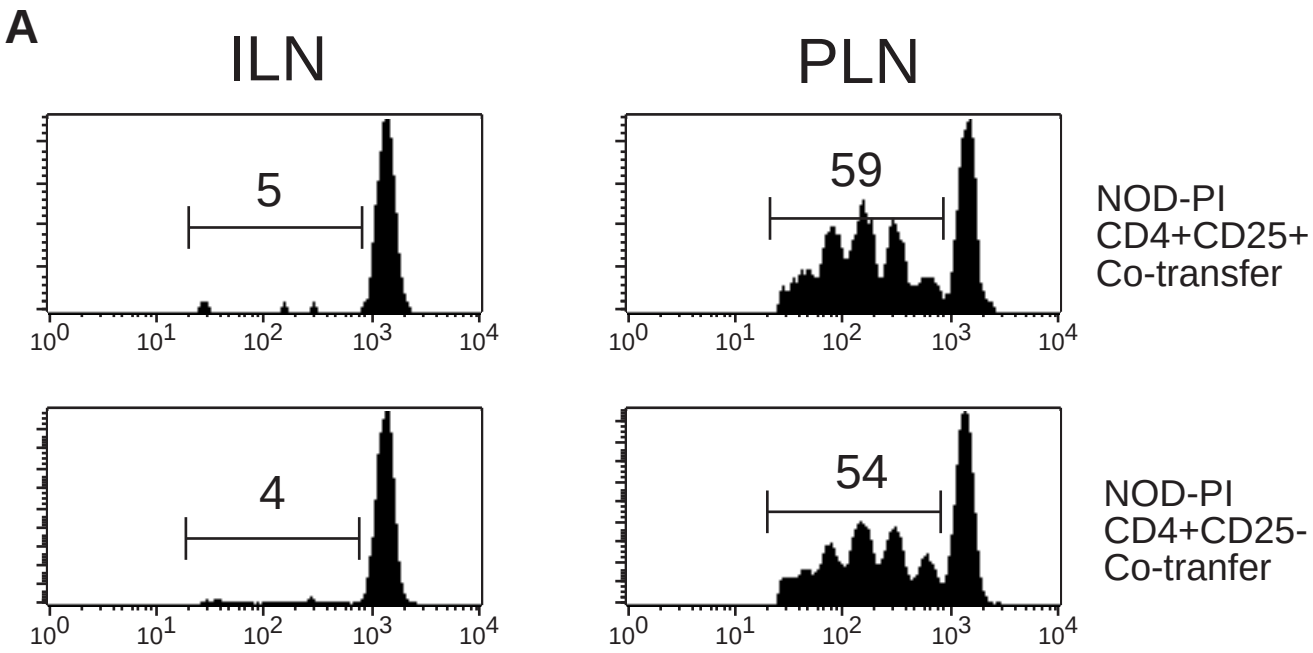
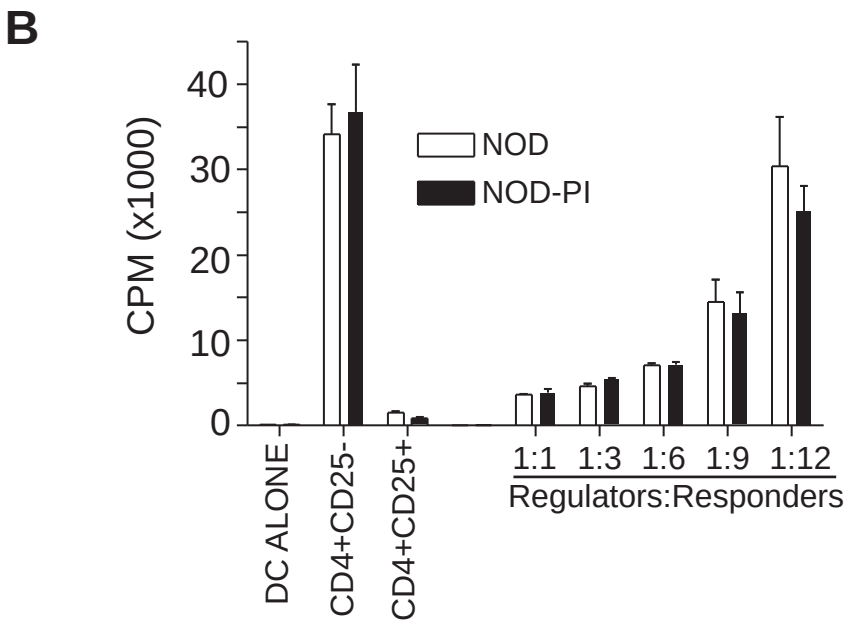
Supplementary Figure 1 Splenic and bone marrow derived dendritic cells (DCs) from NOD and NOD-PI mice present antigen equally. $CD8^+$ T cells from NOD8.3 mice were stimulated with $IGRP_{206-214}$ peptide loaded (0.1μM), irradiated, **A**, splenic or **B**, bone marrow-derived DCs (10^4 cells/well) from NOD or NOD-PI mice (8 week old donors). Proliferation of NOD8.3 $CD8^+$ T cells was assessed by thymidine incorporation after 3 days in a standard in vitro proliferation assay. *P*values: NOD versus NOD-PI in bone marrow derived DCs, *P*=ns, NOD versus NOD-PI in splenic DCs, *P*=ns. **C**, Spontaneous $CD4^+$ T cell response to IGRP peptide. Splenic T cells ($4X10^5$) from 8-week old NOD and NOD-IGRP mice were cultured with or without 100μg/ml of $IGRP_{4-22}$ peptide. Proliferation of T cells was assessed by thymidine incorporation after 3 days in a standard in vitro proliferation assay. $P<0.001$, NOD versus NOD-IGRP T cells stimulated with peptide

Supplementary Figure 2 A, CFSE-labelled $CD8^+$ T cells isolated from NOD8.3 TCR transgenic mice were injected intravenously (4-6× 10^6 cells/mouse) along with $CD4^+CD25^+$ or $CD4^+CD25^-$ cells (4-6× 10^6 cells/mouse) from NOD-PI mice into 8 week old NOD mice (n=4 per group). Recipients were sacrificed 3 days later and their PLN and ILN examined for $CFSE^+$ cells. B, $CD4^+CD25^-$ T cells from splenocytes of NOD mice (responder cells) were stimulated with antibody to CD3. These responder cells were cultured along with various numbers of $CD4^+CD25^+$ cells from splenocytes of NOD or NOD-PI mice (regulator cells). Proliferation of T cells was assessed by thymidine incorporation after 3 days in a standard in vitro proliferation assay.



SUPPLEMENTARY FIGURE 1





SUPPLEMENTARY FIGURE 2