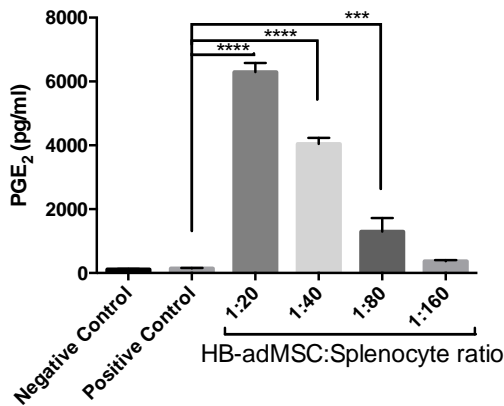


PGE₂ production from LPS-stimulated co-cultures



Fold Change vs. Resting HB-adMSC ΔΔCt (stdev)

	COX-2	IDO	TSG-6	IL-1ra
TNF-α	2.58 (0.16)	2.53 (0.17)	4.19 (0.10)	27.97 (0.11)
IFN-γ	1.41 (0.24)	3110.34 (0.15)	1.81 (0.08)	0.50 (0.07)

Supplemental Fig 3. *In Vitro* HB-adMSC Analysis

HB-adMSCs reduce the secretion of TNF-α and IFN-γ from LPS or concanavalin A stimulated rat splenocyte co-cultures in a dose-dependent fashion (top left and top right, respectively). This reduction in TNF-α was accompanied by an inverse relationship between the number of HB-adMSC in the co-cultures and PGE₂ (bottom left). Quantitative PCR detected an increase in several possible mechanisms of immune modulation when HB-adMSC were stimulated with either TNF-α or IFN-γ (50ng/ml each, bottom right). Values represent means ± SD. *, p value <0.05; ***, p value <0.001; ****, p value <0.0001. Statistical analysis performed by One-way ANOVA with multiple comparison Sidak's test or Fisher's LSD, as noted.