Supplemental Figures

Figure S1. Increased levels of the transcription factor T-bet correlate with increased levels of Tim-3. Resting NK cells (n=3) were stimulated with IL-2 (5 ng/mL), IL-15 (5 ng/mL), IL-12 (5 ng/mL), IL-18 (5 ng/mL) and IL-12 (1 ng/mL)+IL-18 (10ng/mL) for 4 hours and levels of T-bet and Tim-3 were evaluated by qRT- PCR. The change in relative expression levels between resting and cytokine stimulated conditions is represented on the y-axis and was calculated using the following formula: Fold Change ($\Delta\Delta$CT) = (2^[ΔCT$_{sample}$ (resting control – cytokine stimulated)]/2^[ΔCT$_{reference}$ (resting control – cytokine stimulated)].

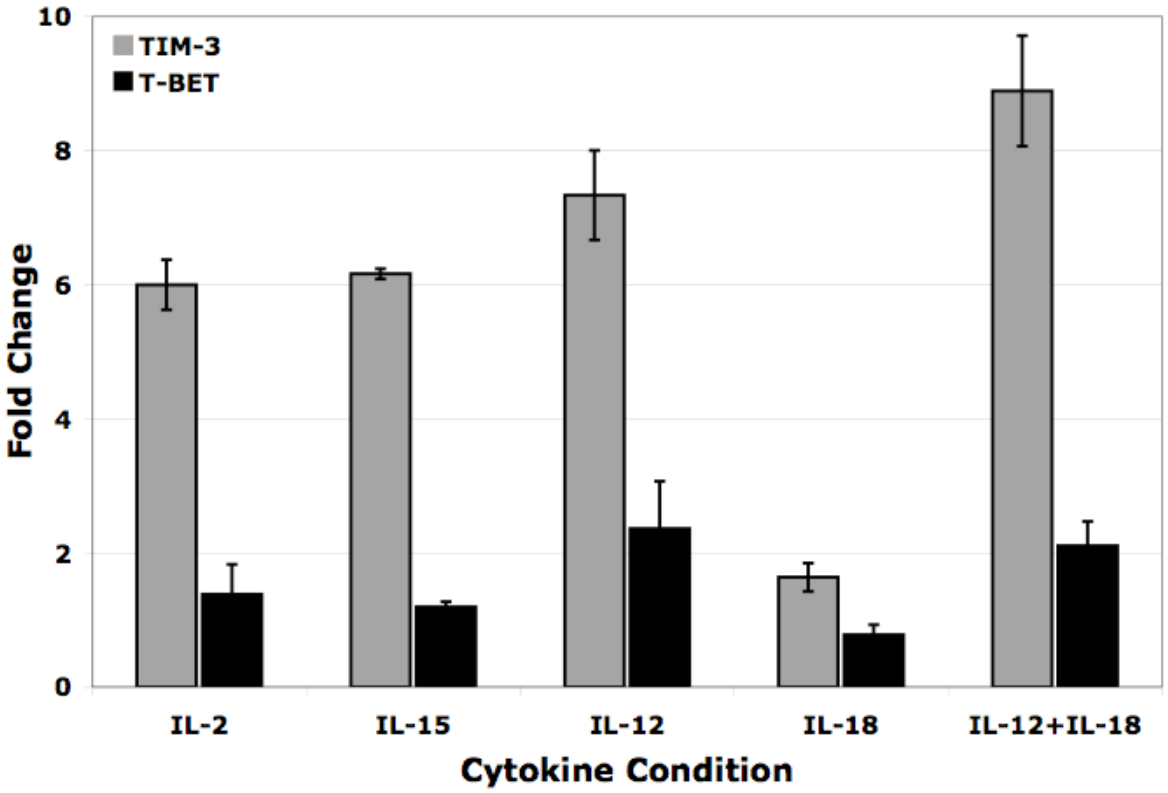

Figure S2. **IFN-γ production induced by rhGal-9 in resting NK cells involves MEK1/2 and NFκB signaling pathways**. To evaluate signaling pathways involved in rhGal-9 induced IFN-γ production, resting NK cells were stimulated with 20 nM rhGal-9 for 4 hours in the presence of 0.1% DMSO control, 10 μM NFκB inhibitors (BAY-11 [Santa Cruz Biotechnology, sc-202490] and JSH-23 [Santa Cruz Biotechnology, sc-222061]) or 10 μM MEK1/2 inhibitor (U0126 [Promega, V112A]) and IFN-γ production was measured by FACS. (Flow plots are representative of two donors.)