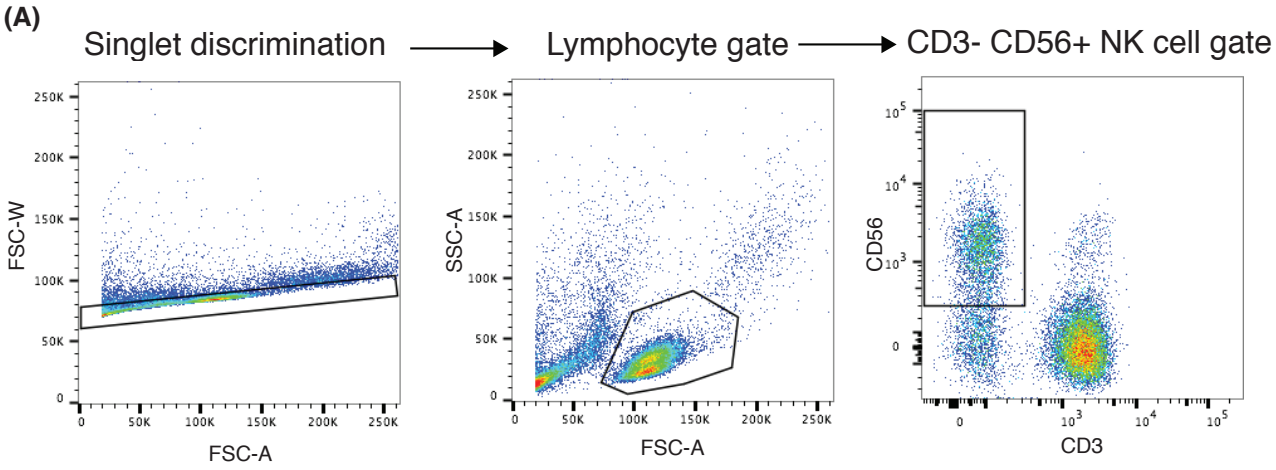
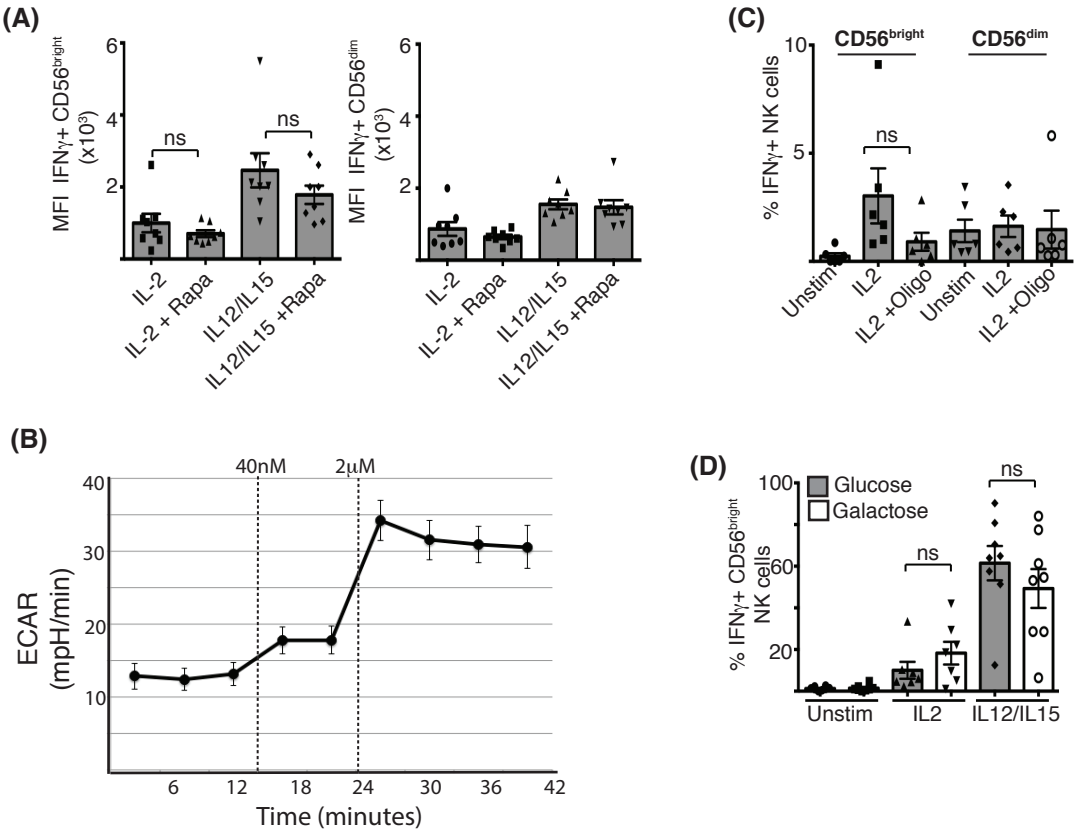
Supplementary Figure 1



Supplementary Figure 1: Gating strategy
NK cells were identified by flow cytometric analysis using the gating strategy shown

Supplementary Figure 2



Supplementary Figure 2:
(A) PBMC were stimulated for 18 hours with either IL2 (500 U/ml), IL12 (30 ng/ml) +IL15 (100 ng/ml), or left unstimulated. Rapamycin (20 nM) was added where indicated. Mean fluorescence intensity (MFI) of IFNγ+ CD56bright (left) and CD56dim (right) NK cells. Data is mean±SEM, from 9 donors. n.s. not significant.

(B) NK cells were purified and stimulated for 18 hours with with either IL12 (30 ng/ml) +IL15 (100 ng/ml). Metabolic analysis was performed using the Seahorse extracellular flux analyser. Representative trace of extracellular acidification rate (ECAR) in NK cells before and after the addition of low (40 nM) and high dose (2 uM) oligomycin. Data is representative of two experiments performed in triplicate.

(C) PBMC were stimulated for 18 hours with IL2 (500 U/ml) left unstimulated. Oligomycin (40nM) was added for the duration of cultures where indicated. Frequency of IFNγ producing NK cells is shown. Data is mean±SEM, from 6 donors. n.s. not significant.

(D) PBMC were stimulated for 18 hours with either IL2 (500 U/ml), IL12 (30 ng/ml) +IL15 (100 ng/ml), or left unstimulated. Cultures were carried out in glucose replete medium or medium in which galactose (10 mM) replaced glucose. Frequency of IFNγ producing CD56bright IFNγ is shown. Data is mean±SEM of 6 donors. ns- not significant.