



S10 Fig. The effects of a Proleukin dose on memory T effector cell frequency and CD69⁺ T regulatory and effector cells and pSTAT5 response in mTeff cells. (A) Dose response by memory T effectors (mTeffs) (% non-Treg CD4⁺ T cells) following treatment with lower doses leading to an early increase in mTeff at 90 minutes while highest doses lead to a decrease followed by a sustained increase in blood. **(B)** Absolute frequency of mTeff (% non-Treg CD4⁺ T cells). **(C)** There was a small increase in CD69⁺ mTregs (% Tregs) at 90 minutes (average baseline CD69⁺ mTregs 21.84 % (SE=1.06; range= 6.04-34.4), N=37) **(D)** with a similar response in CD69⁺ mTeffs (% Tregs) in blood at 90 minutes without dose dependency (average baseline CD69⁺ mTeff 23.94 % (0.98; 11.7-36.9) N= 37). **(E)** Compared to baseline there was reduction in the pSTAT5 response at 90 minutes in mTeffs after maximum *in vitro* IL-2 stimulation (1000 IU/ml). **(F)** Using cryopreserved PBMC, on Day 1 there is no evidence of a dose-dependent reduction in response (pSTAT5) when mTeff were stimulated *in vitro* with Proleukin (10 IU/ml). [Black lines show the mean values for each dose group while the grey lines show the individual participant's values]