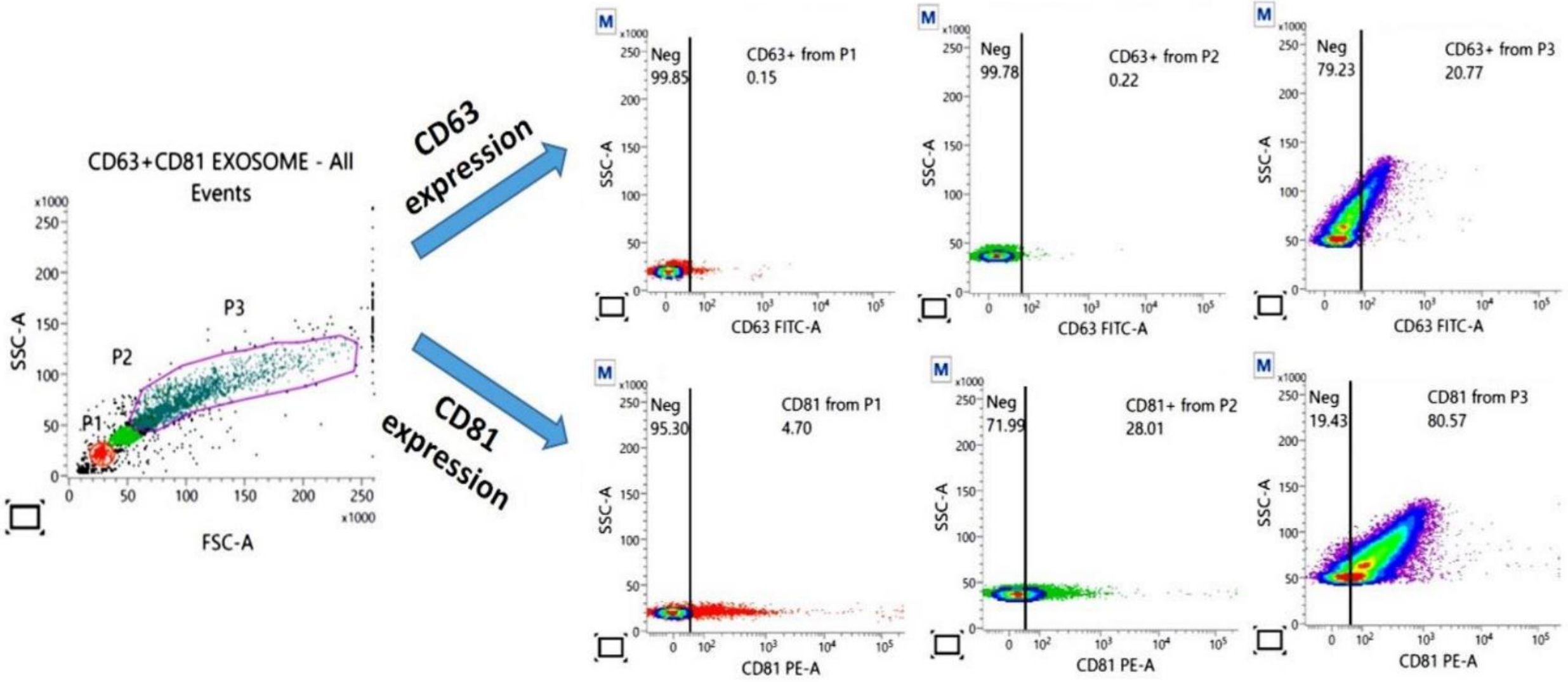
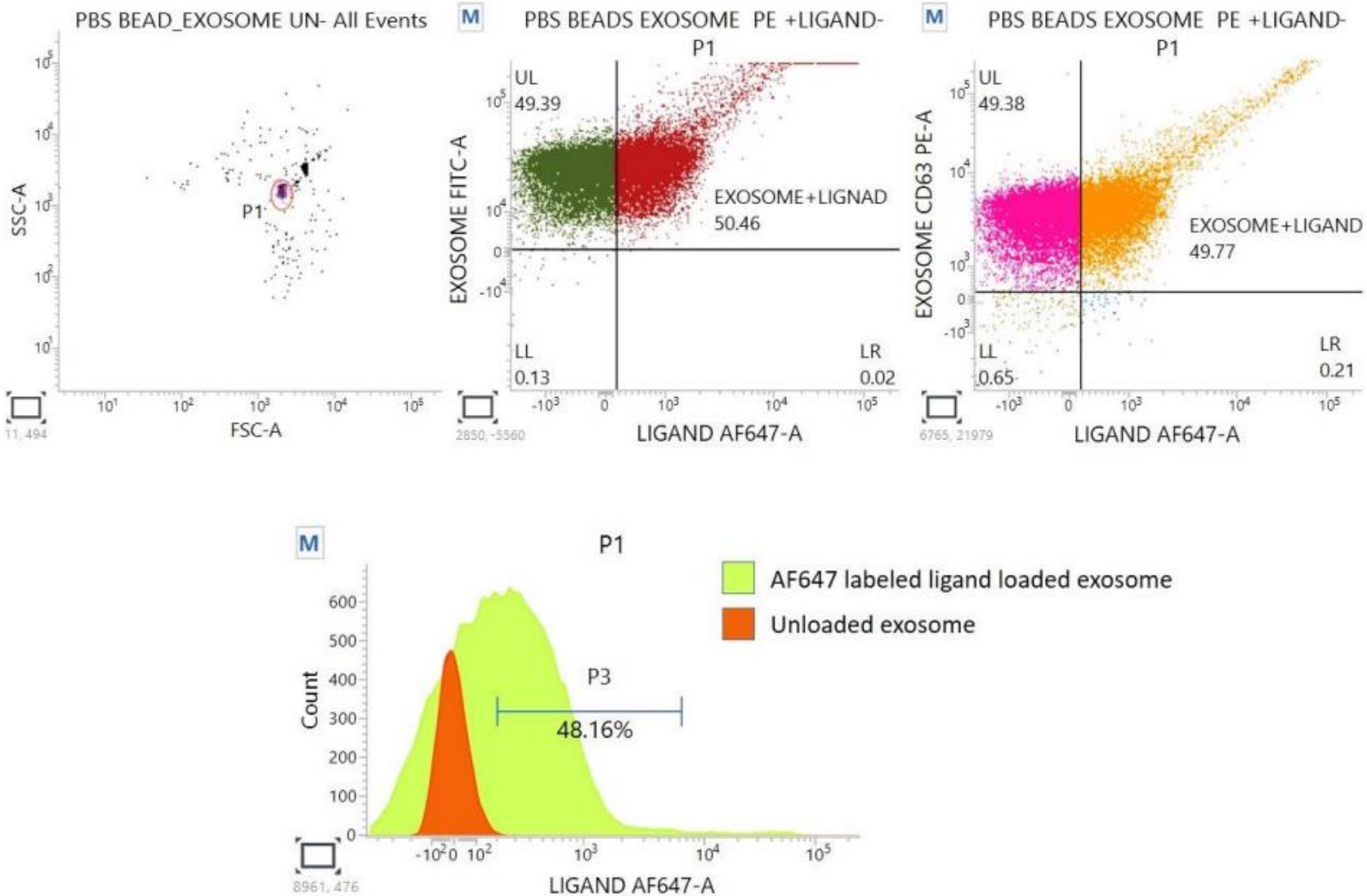
Characterization of exosomes-Flow cytometry

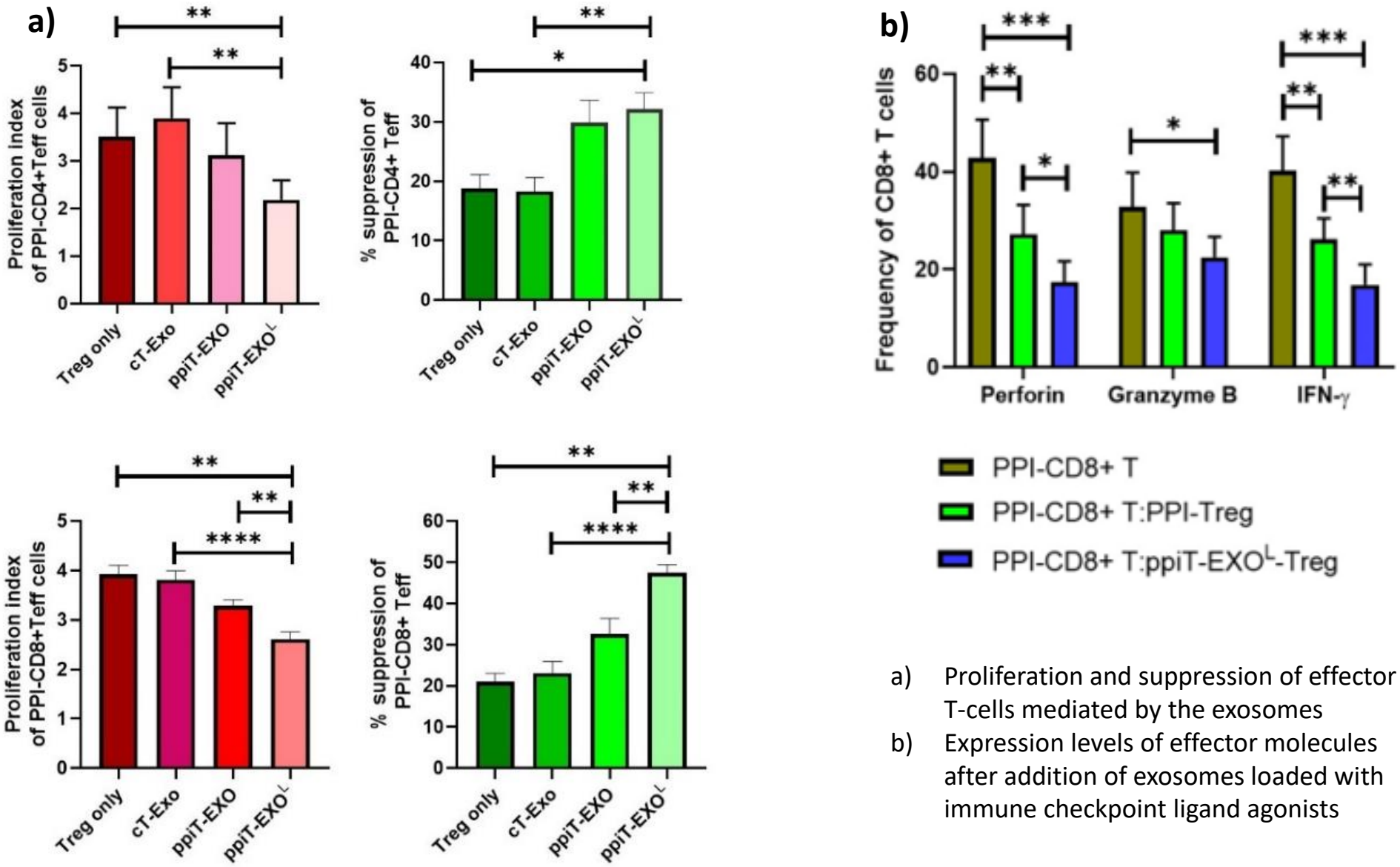


Flow cytometric detection of CD63 and CD81 positive exosome population in our ppiT-EXO preparation.
[P1= monomeric beads, P2= Intermediate cluster, P3= bead aggregates; exosomes are seen in all three gates]



Dot plots showing the ligand containing exosome population stained with CFSE (acquired in FITC channel) and PE-anti CD63. B) Histogram showing the ligand positive exosome population. [P1= monomeric beads]

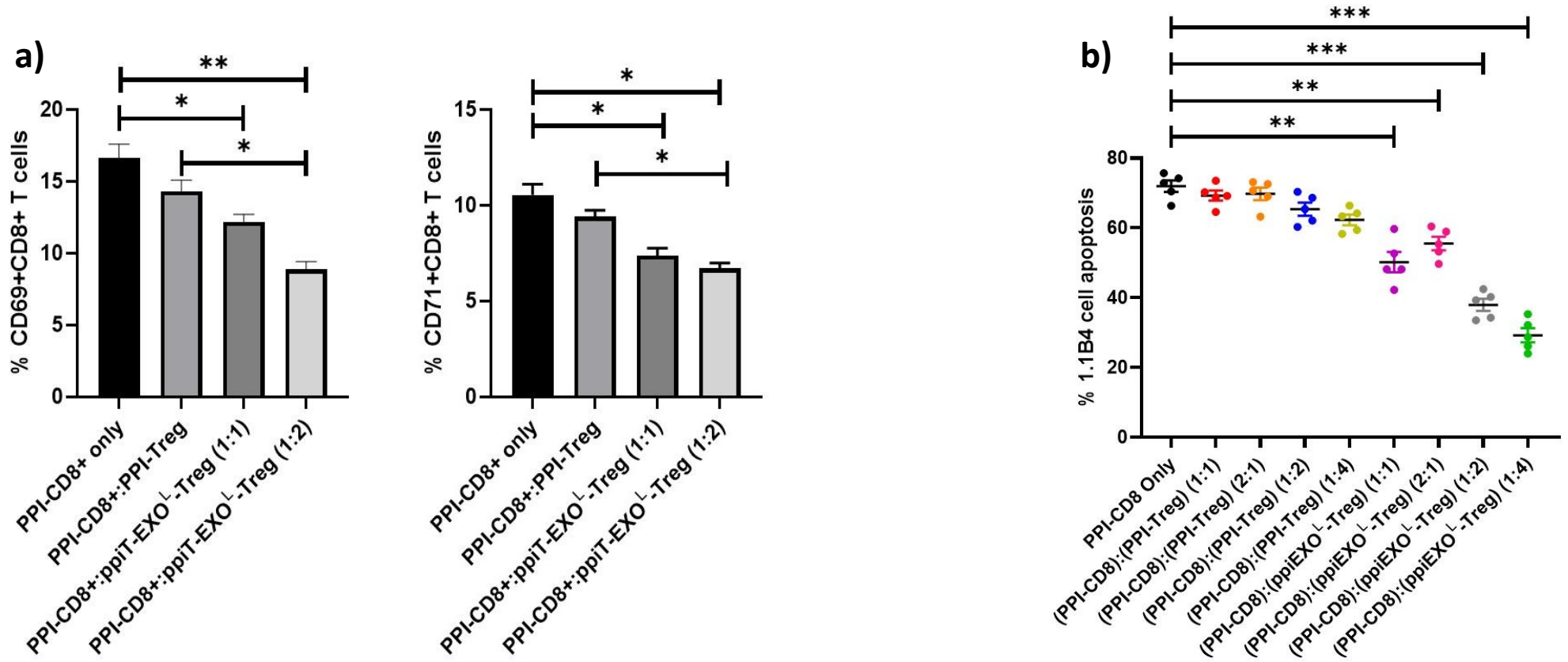
Determination of tolerogenic potential of the engineered exosomes



a) Proliferation and suppression of effector T-cells mediated by the exosomes

b) Expression levels of effector molecules after addition of exosomes loaded with immune checkpoint ligand agonists

Determination of tolerogenic potential of the engineered exosomes



a) Expression levels of activation markers after addition of exosomes loaded with immune checkpoint ligand agonists

b) Protection of 1.1B4 (β cell) from PPI-CD8+ T cell mediated apoptosis by ppiT-EXOL-Tregs