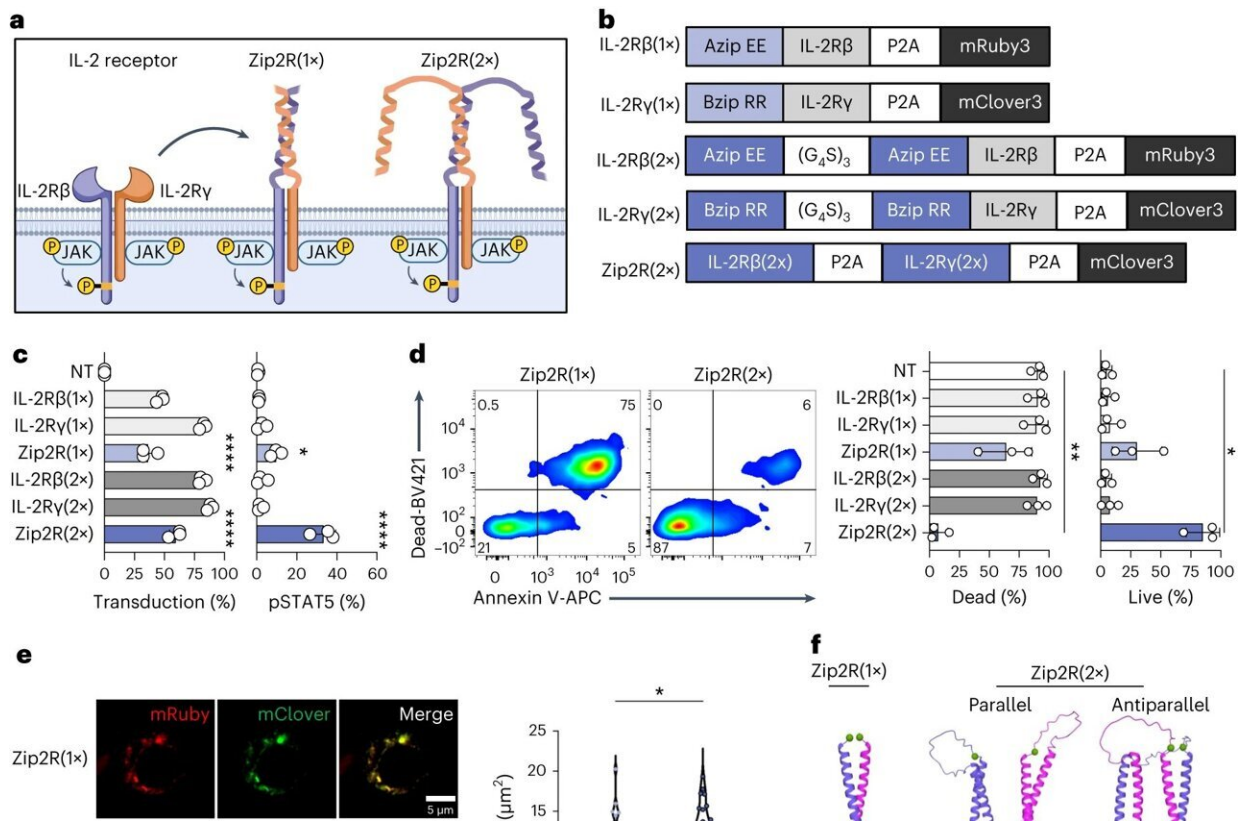


Modular chimeric cytokine receptors improve CAR T-cell therapy for solid tumors

November 30 2023



Two leucine zipper motifs endow ZipRs with constitutive signal transduction. **a**, Schematic of IL-2 receptor-based Zip2Rs with phosphorylated (p) JAK and receptors. **b**, Zip2R(1×) and Zip2R(2×) constructs. **c**, Left, transduction efficiency of human T cells as measured by mRuby (IL-2Rβ(1×), IL-2Rβ(2×)), mClover (IL-2Rγ(1×), IL-2Rγ(2×), Zip2R(2×)) or mRuby and mClover (Zip2R(1×)) expression. Right, phosphorylated STAT5 expression in transduced human T cells ($n = 3$ biological replicates, mean \pm s.d.; **** P

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