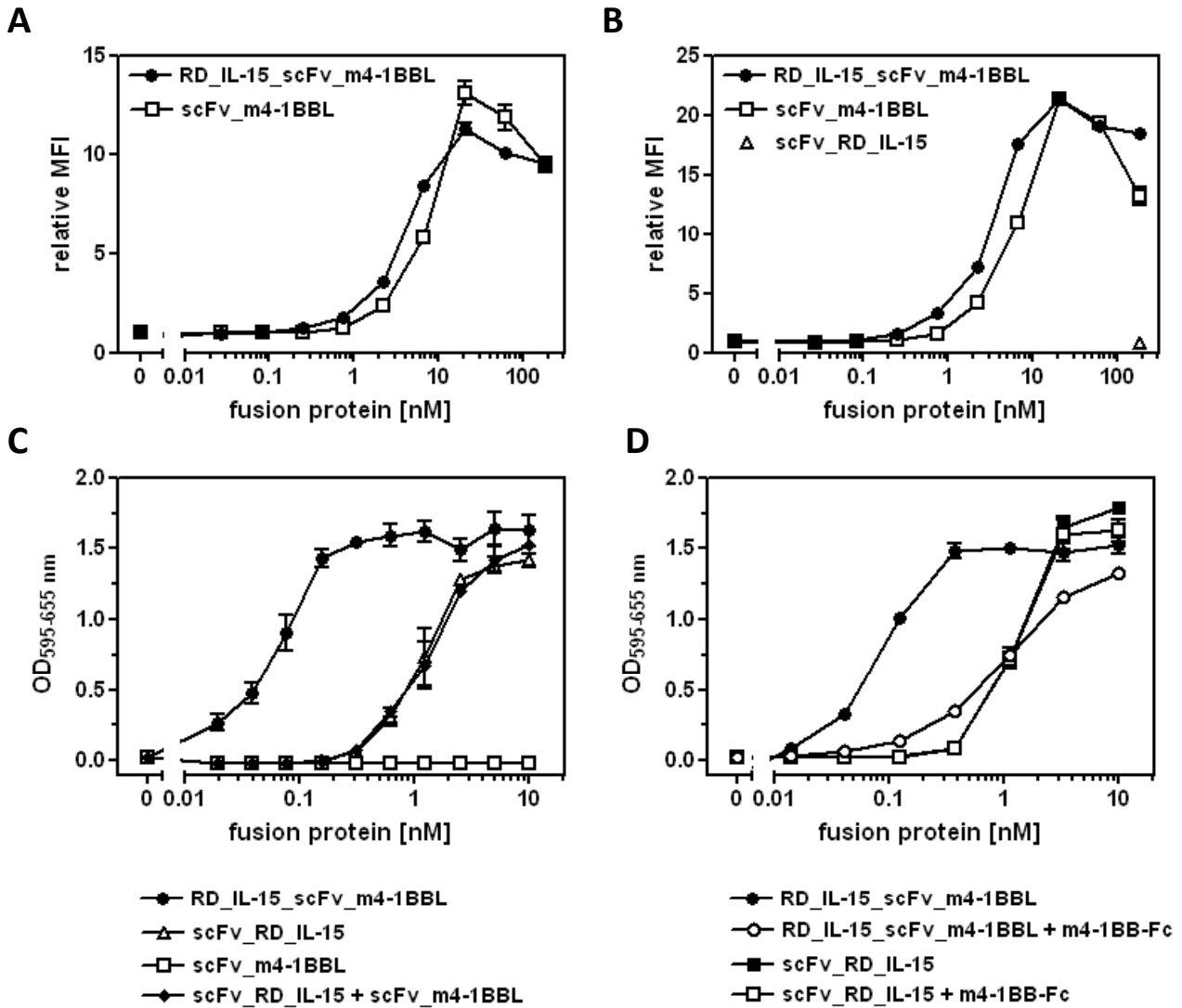


Supplementary data
Fig.S2



Functional activity of RD_IL-15_scFv_m4-1BBL. (A) Binding to FAP was assessed on B16-FAP cells by flow cytometry. Bound fusion proteins were detected via anti-mouse 4-1BBL-PE. (B) Interaction of mouse 4-1BBL/4-1BB was demonstrated by flow cytometry. Fusion proteins bound to B16-FAP cells were detected via ligand/receptor interaction with recombinant mouse 4-1BB-Fc, followed by anti-Fc-PE detection antibody. (C) Overall cytokine activity of RD_IL-15_scFv_m4-1BBL in solution was corroborated by cytokine growth dependent CTLL-2 (mouse cytotoxic T cell line) proliferation assay. (D) m4-1BBL-mediated activity of RD_IL-15_scFv_m4-1BBL was demonstrated in CTLL-2 proliferation assay, blocking m4-1BBL-mediated activity with 5-fold molar excess of m4-1BB-Fc. CTLL-2 cells were starved for 4 h before the addition of fusion proteins at indicated concentrations. After 3 days, cell proliferation was measured by MTT assay. Graphics show mean \pm SD, n=3 (A/C/D), n=2 (B).