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(54) Title: NOVEL PLATFORMS FOR CO-STIMULATION, NOVEL CAR DESIGNS AND OTHER ENHANCEMENTS FOR ADOPTIVE CELLULAR THERAPY

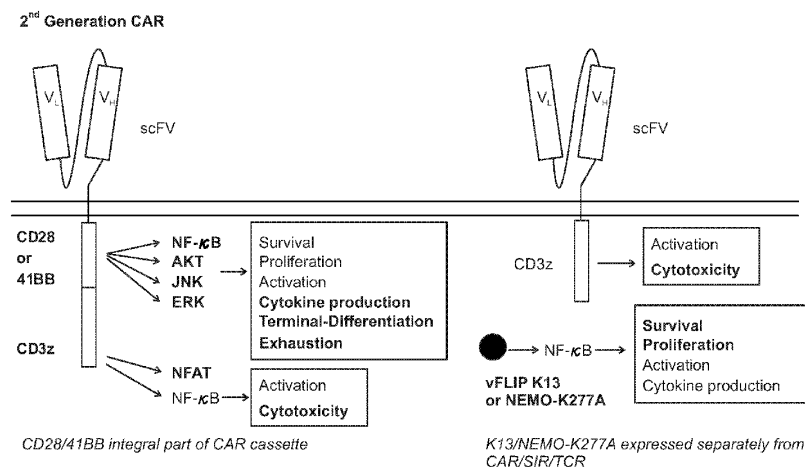


FIG. 2

(57) Abstract: The disclosure provides compositions and method that promote adoptive cellular therapy. The disclosure provides polynucleotides, vectors, systems and cells comprising chimeric antigen receptors (CARs), synthetic immune receptors (SIRs), and the like in combination the specific activators of NFκB activity, thus improving cellular proliferation, expression and reduced apoptosis, which improves cell persistence in adoptive cell therapy.

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