COMPOSITIONS AND METHODS FOR NK-92 CELLS EXPRESSING NATIVE CD16

ABSTRACT

A recombinant NK-92 cell has a constitutive active promotor that effects expression of native CD16, and most preferably homogenous CD16 158V. Further contemplated recombinant NK-92 cells also include a recombinant nucleic acid that encodes an intracellularly retained interleukin (*e.g.*, IL-2 or er-IL-2), wherein the recombinant NK-92 cell will secrete no more than 5,000 pg/mL IL-2 into a culture medium. The recombinant NK-92 cells presented herein have a significantly improved signal-to-noise ratio and exhibit reduced non-ADCC cytotoxicity.

Figure 3