METHODS FOR SELECTIVELY EXPANDING CELLS EXPRESSING A TCR WITH A MURINE CONSTANT REGION

ABSTRACT

Disclosed are methods of selectively expanding a number of T cells. The methods may comprise: modifying human T cells to express a TCR, wherein the TCR comprises a murine constant region; producing a population of cells comprising a number of human T cells expressing the TCR and a number of human T cells not expressing the TCR; and culturing the population of cells in the presence of (i) irradiated feeder cells, (ii) one or more cytokines, and (iii) an antibody, or an antigen-binding portion thereof, wherein the antibody has antigenic specificity for the murine constant region of the TCR, so as to selectively expand the number of T cells expressing the TCR over the number of T cells not expressing the TCR. Also disclosed are related populations of cells, pharmaceutical compositions, and methods of treating or preventing cancer.

No suitable figure.