METHODS OF ISOLATING T CELLS HAVING ANTIGENIC SPECIFICITY FOR A P53 CANCER-SPECIFIC MUTATION

ABSTRACT

Disclosed are methods of isolating T cells having antigenic specificity for a mutated p53 amino acid sequence encoded by a cancer-specific p53 mutation, the method comprising: inducing autologous APCs of the patient to present the mutated p53 amino acid sequence; co-culturing autologous T cells of the patient with the autologous APCs that present the mutated p53 amino acid sequence; and selecting the autologous T cells. Also disclosed are related methods of preparing a population of cells, populations of cells, pharmaceutical compositions, and methods of treating or preventing cancer.

Fig. 1