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(54) Title: CELLS, COMPOSITIONS AND METHODS FOR ENHANCING IMMUNE FUNCTION

(57) Abstract: The present disclosure relates generally to polypeptides, cells, compositions and methods for enhancing immune function, and in particular the immune function of T cells, such as CD8+ T cells. More particularly, the present invention relates to modified DNAM-1 polypeptides, T cells expressing recombinant and/or modified DNAM-1, and methods of using these cells in adoptive T cell transfer, such as for the treatment of cancer or infection. The disclosure also relates to methods for preparing T cells with enhanced immune function; methods for preparing T cells for adoptive cell therapy; methods for assessing the immune function of T cells in a subject or cell population; methods for predicting the responsiveness of a subject with cancer to cancer therapy; and methods for predicting the survival or survival time of a subject with cancer.



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