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(54) Title: CHIMERIC ANTIGEN RECEPTOR DIRECTED AGAINST THE CHEMOKINE RECEPTOR CCR7

(57) Abstract: The invention relates to a chimeric antigen receptor polypeptide (CAR) that binds C-C chemokine receptor type 7 (CCR7). The CAR comprises an extracellular antigen-binding domain, comprising an antibody or antibody fragment that binds C-C chemokine receptor type 7 (CCR7) protein, a transmembrane domain, and an intracellular domain. The invention further relates to an isolated nucleic acid molecule encoding a chimeric antigen receptor (CAR) polypeptide of the invention, and a genetically modified cell comprising a nucleic acid molecule and/or expressing a CAR according to the present invention.

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