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Autologous CD19-targeted CAR T Cells JWCAR029

National Cancer Institute

Source

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A preparation of autologous T-lymphocytes that have been genetically modified to express a chimeric antigen receptor (CAR) targeting the tumor-associated antigen (TAA) CD19 and containing, as of yet undisclosed, costimulatory signaling domains, with potential immunostimulating and antineoplastic activities. Upon administration, autologous CD19-targeted CAR T-cells JWCAR029 target and bind to CD19-expressing tumor cells, thereby inducing selective toxicity in CD19-expressing tumor cells. CD19 antigen is a B-cell specific cell surface antigen expressed in all B-cell lineage malignancies.