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Anti-LeY-CAR-transduced Autologous T-Lymphocytes

National Cancer Institute

Source

National Cancer Institute. *Anti-LeY-CAR-transduced Autologous T-Lymphocytes*. NCI Thesaurus. Code C132683.

Genetically modified, autologous T-lymphocytes transduced with a retroviral vector encoding a chimeric antigen receptor (CAR) specific for the tumor-associated antigen (TAA) Lewis-Y (LeY), with potential immunomodulating and antineoplastic activities. Upon intravenous administration, anti-LeY-CAR-transduced autologous T-lymphocytes specifically target and induce selective toxicity in LeY-expressing tumor cells. LeY, a difucosylated carbohydrate antigen, is overexpressed by a variety of cancer cell types.