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# CD33-specific CAR Lentiviral Vector-transduced Autologous T-lymphocytes

National Cancer Institute

## Source

National Cancer Institute. *CD33-specific CAR Lentiviral Vector-transduced Autologous T-lymphocytes*. NCI Thesaurus. Code C148530.

Autologous T-lymphocytes transduced with a lentiviral vector expressing a chimeric antigen receptor (CAR) specific for the CD33 antigen, with potential immunomodulating and antineoplastic activities. Upon transfusion, CD33-specific CAR lentiviral vector-transduced autologous T-lymphocytes target and induce selective toxicity in CD33-expressing tumor cells. CD33 is expressed on normal non-pluripotent hematopoietic stem cells and on myeloid leukemia cells.