

[Open Peer Review on Qeios](#)

Autologous Anti-CD19 CAR T-cells IM19

National Cancer Institute

Source

National Cancer Institute. *Autologous Anti-CD19 CAR T-cells IM19*. NCI Thesaurus. Code C155888.

A preparation of autologous T-lymphocytes that have been genetically modified and transduced with a lentiviral vector expressing a chimeric antigen receptor (CAR) targeting the tumor-associated antigen (TAA) CD19 and containing, as of yet undisclosed co-stimulatory signaling domains, with potential immunostimulating and antineoplastic activities. Upon administration, autologous anti-CD19 CAR T-cells IM19 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.