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Idecabtagene Vicleucel

National Cancer Institute

Source

National Cancer Institute. *Idecabtagene Vicleucel*. NCI Thesaurus. Code C117729.

A preparation of autologous peripheral blood T-lymphocytes (PBT Ls) that have been genetically modified to express a chimeric antigen receptor (CAR) specific for the B-cell maturation antigen (BCMA), with potential immunostimulating and antineoplastic activities. Upon administration, idecabtagene vicleucel specifically recognizes and kills BCMA-expressing tumor cells. BCMA, a tumor-specific antigen and a receptor for both a proliferation-inducing ligand (APRIL) and B-cell activating factor (BAFF), is a member of the tumor necrosis factor receptor superfamily (TNFRSF) and plays a key role in plasma survival; it is found on the surfaces of plasma cells and overexpressed on malignant plasma cells.