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# Allogeneic CD19CAR-transfected Cytokine-induced Killer Cells

National Cancer Institute

## Source

National Cancer Institute. *Allogeneic CD19CAR-transfected Cytokine-induced Killer Cells*. NCI Thesaurus. Code C154284.

A preparation of allogeneic cytokine-induced killer (CIK) cells derived from peripheral blood mononuclear cells (PBMCs) transfected with the Sleeping Beauty (SB) transposon, CD19CAR (CARCIK-CD19), with potential immunomodulatory and antineoplastic activities. CIK cells are CD3- and CD56-positive, non-major histocompatibility complex (MHC)-restricted, natural killer (NK)-like T-lymphocytes. Upon infusion following an allogeneic stem cell transplantation, the CARCIK-CD19 cells bind to CD19-expressing tumor cells, thereby inducing selective toxicity in CD19-expressing tumor cells. CIK cells may have enhanced cytotoxic activity compared to lymphokine-activated killer (LAK) cells. CD19 is a B-cell specific cell surface antigen expressed in all B-cell lineage malignancies.