

[Open Peer Review on Qeios](#)

Human MHC Non-Restricted Cytotoxic T-Cell Line TALL-104

National Cancer Institute

Source

National Cancer Institute. *Human MHC Non-Restricted Cytotoxic T-Cell Line TALL-104*. NCI Thesaurus. Code C66980.

An allogeneic human cytotoxic T-lymphocyte cell line (TALL-104) with potential antineoplastic activity. TALL-104 is an IL-2-dependent human leukemic T cell line, expressing CD8 and T-cell receptor CD3, but not CD16. Because these cells are endowed with MHC-non-restricted killer activity, TALL-104 has destructive potential against a broad range of tumors, while sparing normal cells. Upon administration, TALL-104 targets and interacts with tumor cells and activates apoptotic and necrotic pathways, eventually leading to lysis of tumor cells. In addition, TALL-104 may induce secretion of various cytokines, such as interferon-gamma, thereby potentially enhancing the cytotoxic activity.