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Therapeutic Ex Vivo-expanded Allogeneic gamma delta T-cells

National Cancer Institute

Source

National Cancer Institute. *Therapeutic Ex Vivo-expanded Allogeneic gamma delta T-cells*. NCI Thesaurus. Code C157487.

An off-the-shelf preparation of a subset of therapeutic, ex vivo-expanded, allogeneic T-lymphocytes that express only gamma chain and delta chain T-cell receptors (TCRs), with potential immunomodulating and antineoplastic activities. Upon administration of the therapeutic ex vivo-expanded allogeneic gamma delta T-cells, these cells secrete interferon-gamma (IFN-g) and exert direct killing of tumor cells. In addition, these cells activate the immune system to exert a cytotoxic T-lymphocyte (CTL) response against tumor cells. Gamma delta T-lymphocytes play a key role in the activation of the immune system and do not require major histocompatibility complex (MHC)-mediated antigen presentation to exert their cytotoxic effect.