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Autologous 4-1BB Selected Tumor Infiltrating Lymphocytes

National Cancer Institute

Source

National Cancer Institute. *Autologous 4-1BB Selected Tumor Infiltrating Lymphocytes*.
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A preparation of autologous tumor infiltrating lymphocytes (TILs) expressing the co-stimulatory signaling domain 4-1BB (CD137), with potential antineoplastic activity. TILs are isolated from a patient's tumor and those expressing 4-1BB are selected for expansion in vitro. Upon re-infusion into the patient, the 4-1BB-expressing TILs re-infiltrate the tumor to initiate tumor cell lysis. 4-1BB, a member of the tumor necrosis factor (TNF) receptor superfamily, enhances TIL survival and antitumor cytolytic activity.