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Autologous HBV-specific TCR-redirected T-Lymphocytes

National Cancer Institute

Source

National Cancer Institute. *Autologous HBV-specific TCR-redirected T-Lymphocytes*. NCI Thesaurus. Code C126270.

A preparation of human autologous T-lymphocytes transduced with a viral vector encoding for a T-cell receptor (TCR) specific for a human hepatitis B virus (HBV) surface antigen (HBsAg), with potential antineoplastic activity. Following administration, the autologous HBV antigen specific TCR-redirected autologous T-lymphocytes recognize and bind to the HBV antigen-positive cells, which induces cytotoxic T-lymphocyte (CTL)-mediated elimination of HBV antigen-positive cancer cells. HBV antigens are found on HBV-positive cells and HPV-induced hepatocellular carcinoma (HCC).