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Ad5F35-LMP1/LMP2-Transduced Autologous Dendritic Cells

National Cancer Institute

Source

National Cancer Institute. *Ad5F35-LMP1/LMP2-Transduced Autologous Dendritic Cells*.
NCI Thesaurus. Code C73995.

Autologous dendritic cells (DCs) transduced with the replication-deficient adenoviral vector Ad5F53 encoding the Epstein-Barr virus (EBV) transmembrane latent membrane proteins 1 and 2 (LMP1/LMP2) with potential immunostimulatory activity. Vaccination with Ad5F35-LMP1/LMP2-transduced autologous dendritic cells may stimulate a specific cytotoxic T-lymphocyte (CTL) response against LMP1- and LMP2-expressing tumor positive cells, resulting in tumor cell lysis and inhibition of tumor cell proliferation. LMP1 and LMP2 are expressed in various malignancies including nasopharyngeal cancer and EBV-positive Hodgkins disease.