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# Adenovirus-p53 Transduced Dendritic Cell Vaccine

National Cancer Institute

## Source

National Cancer Institute. *Adenovirus-p53 Transduced Dendritic Cell Vaccine*. NCI Thesaurus. Code C90542.

A cancer vaccine consisting of autologous dendritic cells (DCs) transduced with a recombinant adenovirus encoding p53 peptide, with potential immunomodulating activity. Intradermal vaccination with adenoviral-p53 transduced dendritic cell vaccine may stimulate the host immune system to mount a cytotoxic T lymphocyte (CTL) response against tumor cells expressing mutant p53, resulting in tumor cell lysis. p53, a tumor suppressor gene, is mutated in many tumor cells, resulting in the loss of apoptosis regulation and abnormal cell proliferation.