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CCL21-expressing H1944 Cell Vaccine

National Cancer Institute

Source

National Cancer Institute. *CCL21-expressing H1944 Cell Vaccine*. NCI Thesaurus. Code C98281.

A cancer cell vaccine comprised of the allogeneic human lung adenocarcinoma cell line H1944 that has been transduced ex vivo with adenoviral vector encoding human cytokine chemokine C-C motif ligand 21 (CCL21), with potential immunomodulating and antineoplastic activities. Upon administration, CCL21-expressing H1944 cell vaccine expresses the chemokine CCL21, which may induce an antitumoral cytotoxic T-lymphocyte immune response in the tumor microenvironment. CCL21 has been shown to attract antigen presenting cells (APCs), like leukocytes and DCs, and natural killer (NK) cells and their T-cell effectors to induce a cytotoxic immune response. H1944 cells contain tumor-associated antigens (TAAs) overexpressed in non-small cell lung cancer (NSCLC).