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Allogeneic GM-CSF-secreting Tumor Vaccine PANC 10.05 pcDNA-1/GM-Neo

National Cancer Institute

Source

National Cancer Institute. *Allogeneic GM-CSF-secreting Tumor Vaccine PANC 10.05 pcDNA-1/GM-Neo*. NCI Thesaurus. Code C101892.

An allogeneic cancer vaccine composed of lethally irradiated, whole pancreatic cancer cells transfected with a plasmid carrying the gene for cytokine granulocyte-macrophage colony-stimulating factor (GM-CSF), with potential immunostimulating and antineoplastic activities. Allogeneic GM-CSF-secreting tumor vaccine PANC 10.05 pcDNA-1/GM-Neo secretes GM-CSF thereby activating dendritic cells, promoting antigen presentation to B- and T-cells, and promoting a cytotoxic T-lymphocyte (CTL) response. This may eventually kill tumor cells. The pancreatic tumor cells are derived from the PANC 10.05 tumor cell line.