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Autologous Melanoma Lysate/KLH-Pulsed Autologous Dendritic Cell Vaccine

National Cancer Institute

Source

National Cancer Institute. *Autologous Melanoma Lysate/KLH-Pulsed Autologous Dendritic Cell Vaccine*. NCI Thesaurus. Code C90572.

A cell-based cancer vaccine composed of autologous dendritic cells (DCs) pulsed with lysate from autologous melanoma cells containing tumor associated antigens (TAAs) and conjugated to the immunostimulant Keyhole limpet hemocyanin (KLH), with potential immunostimulatory and antineoplastic activities. Upon administration, autologous melanoma lysate/KLH-pulsed autologous dendritic cell vaccine may stimulate the immune system to mount anti-tumoral cytotoxic T lymphocyte (CTL) and antibody responses against melanoma cells, which may result in melanoma cell lysis. KLH is an immunogenic carrier and serves as an immunostimulant to improve antigenic immune recognition and T-cell responses and can be used to evaluate vaccine efficacy.