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# CMV pp65 Peptide-pulsed Autologous Dendritic Cell Vaccine

National Cancer Institute

## Source

National Cancer Institute. *CMV pp65 Peptide-pulsed Autologous Dendritic Cell Vaccine*.  
NCI Thesaurus. Code C116740.

A cell-based cancer vaccine composed of autologous dendritic cells (DCs) pulsed with the human cytomegalovirus (CMV) phosphoprotein pp65, with potential immunostimulatory and antineoplastic activities. Upon administration, the CMV pp65 peptide-pulsed autologous DC vaccine exposes the immune system to the CMV pp65 peptide, which may result in a cytotoxic T-lymphocyte (CTL) response against CMV pp65-expressing tumor cells leading to cell lysis. The CMV pp65 protein, also called the 65 kDa lower matrix phosphoprotein, is the primary component of the enveloped subviral particle of CMV and is expressed in certain tumor types, such as glioblastoma.