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MVA-EBNA1/LMP2 Vaccine

National Cancer Institute

Source

National Cancer Institute. *MVA-EBNA1/LMP2 Vaccine*. NCI Thesaurus. Code C91076.

A cancer vaccine consisting of a recombinant modified vaccinia Ankara (MVA) viral vector encoding the gene for the CD4 epitope-rich C-terminal domain of the Epstein Barr Virus (EBV) antigen EBNA1 and fused to the full-length of the EBV-associated antigen latent membrane protein 2 (LMP2), with potential immunostimulatory and antineoplastic activities. Upon administration, MVA EBNA1/LMP2 vaccine may elicit a cytotoxic T-cell immune response against cancer cells expressing EBNA1 and LMP2. Multi-antigen vaccine therapy may be more efficacious than single-antigen therapy vaccine therapy. EBNA1, a sequence-specific DNA binding protein, plays an important role in EBV episomal genome maintenance and gene transactivation.