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Neoantigen-based Glioblastoma Vaccine

National Cancer Institute

Source

National Cancer Institute. *Neoantigen-based Glioblastoma Vaccine*. NCI Thesaurus. Code C118960.

A peptide-based, personalized glioblastoma cancer vaccine consisting of patient-specific glioblastoma derived immunogenic mutated epitopes (neoantigens), with potential immunomodulating and antineoplastic activities. Vaccination with the neoantigen-based glioblastoma vaccine stimulates the host immune system to mount a cytotoxic T lymphocyte (CTL) response against tumor cells expressing the neoantigens, which results in tumor cell lysis. Neoantigens are tumor-specific antigens derived from mutated proteins that are present only in a specific tumor.