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Brain Tumor Initiating Cell Vaccine

National Cancer Institute

Source

National Cancer Institute. *Brain Tumor Initiating Cell Vaccine*. NCI Thesaurus. Code C97666.

A cell-based cancer vaccine comprised of brain tumor initiating cells (BTICs), with potential immunostimulating and antineoplastic activity. BTICs are from the glioblastoma multiforme (GBM) cell line GBM-6 and contain glioma stem-like cell-associated antigens. Upon administration, the BTIC vaccine may stimulate a specific anti-tumoral cytotoxic T-lymphocyte (CTL) response against brain tumor cancer cells and brain tumor stem like cells, resulting in tumor cell lysis. BTIC have unique antigenicity and have the ability to self-renew; vaccination against BTIC antigens may kill these cells and may prevent tumor recurrences.