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Folate Binding Protein E39 Peptide Vaccine

National Cancer Institute

Source

National Cancer Institute. *Folate Binding Protein E39 Peptide Vaccine*. NCI Thesaurus. Code C101530.

A cancer vaccine comprised of human leukocyte antigen (HLA) A2 restricted folate binding protein (FBP) epitope E39 (amino acids 191 to 199), with potential immunostimulatory and antineoplastic activity. Upon intradermal injection, FBP E39 peptide vaccine may induce a specific cytotoxic T-lymphocyte (CTL) response against FBP-expressing tumor cell types. FBP is a membrane-bound, tumor-associated antigen highly overexpressed in various tumor cell types, such as in breast, ovarian and endometrial cancers; E 39 is a strong immunogenic peptide.