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MOv-PBL Vaccine

National Cancer Institute

Source

National Cancer Institute. *MOv-PBL Vaccine*. NCI Thesaurus. Code C2781.

Peripheral blood lymphocytes (PBL) transfected to express MOv have been designed for possible use in autologous adoptive cellular immunotherapy of ovarian adenocarcinomas that overexpress folate-binding protein. MOv-PBLs express MOv-gamma (MOv), a chimeric receptor gene product derived from a recombinant gene encoding the variable region of murine monoclonal antibody MOv18 against folate-binding protein (FBP), often overexpressed in human ovarian cancer cells, and the human gene encoding the IgG and IgE Fc receptor gamma subunit. Autologous vaccination with these PBLs stimulates a host cytotoxic T lymphocyte response against ovarian cancer cells that overexpress FBP. (NCI04)