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PR1 Leukemia Peptide Vaccine

National Cancer Institute

Source

National Cancer Institute. *PR1 Leukemia Peptide Vaccine*. NCI Thesaurus. Code C2235.

A cancer vaccine containing PR1, a 9 amino-acid human leukocyte antigen (HLA)-A2 restricted peptide derived from proteinase 3, with potential immunotherapeutic activity. Vaccination with PR1 leukemia peptide vaccine may stimulate the host immune system to mount a cytotoxic T lymphocyte (CTL) response against tumor cells expressing proteinase 3, resulting in tumor cell lysis. Often overexpressed in leukemic cells, proteinase 3 is a serine proteinase that activates progelatinase A and is involved in angiogenesis and metastasis.