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Multipeptide Vaccine S-588210

National Cancer Institute

Source

National Cancer Institute. *Multipeptide Vaccine S-588210*. NCI Thesaurus. Code C125692.

A cancer vaccine composed of a combination of the injectable formulations S-488210, which contains the three HLA-A*02:01-restricted peptides up-regulated lung cancer 10 (lymphocyte antigen 6K; LY6K; URLC10), cell division cycle-associated protein 1 (kinetochore protein Nuf2; NUF2; CDCA1) and insulin-like growth factor 2 mRNA-binding protein 3 (IGF2BP3; KOC1) and S-488211, which contains the two HLA-A*02:01-restricted peptides DEP domain-containing protein 1A (DEPDC1) and M-phase phosphoprotein 1 (kinesin-like protein KIF20B; MPHOSPH1), with potential immunostimulatory and antitumor activities. Upon administration, multipeptide vaccine S-588210 may stimulate a cytotoxic T-lymphocyte (CTL) response against tumor cells expressing KOC1, CDCA1, URLC10, DEPDC1 or MPHOSPH1 peptides, resulting in tumor cell lysis and decreased tumor growth.