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(54) Title: NOVEL IMMUNOTHERAPY AGAINST SEVERAL TUMORS OF THE BLOOD, SUCH AS ACUTE MYELOID
LEUKEMIA (AML)

(57) Abstract: The present invention relates to peptides, nucleic acids and cells for use in immunotherapeutic methods. In particular,
the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated cytotox-
ic T cell (CTL) peptide epitopes, alone or in combination with other tumor-associated peptides that serve as active pharmaceutical
ingredients of vaccine compositions that stimulate anti-tumor immune responses. The present invention relates to several novel pep-
tide sequences and their variants derived from HLA class I and HLA class II molecules of human tumor cells that can be used in vac-
cine compositions for eliciting anti-tumor immune responses.

