ABSTRACT

It is an objective of the present invention to identify SPARC protein-derived peptides that are able to induce human killer T cells and helper T cells having cytotoxic activity to tumors, and to provide a means for carrying out a tumor immunotherapy of patients with various types of cancers overexpressing SPARC. The present invention provides a peptide of any of the following:

(A) a peptide which consists of the amino acid sequence as shown in any one of SEQ ID NOS: 1 to 3; or

(B) a peptide which consists of an amino acid sequence comprising a substitution or addition of one or several amino acids with respect to the peptide consisting of the amino acid sequence as shown in any one of SEQ ID NOS: 1 to 3, and which has capacity to induce cytotoxic (killer) T cells.