

Title (en)  
ANTIGEN PREPARATION AND USE

Title (de)  
FUSIONSPROTEIN ENTHALTEND EINE SEQUENZ DES HAUPT-HÜLLPROTEINS EINES PAPOVAVIRUS

Title (fr)  
PREPARATION ET UTILISATION D'ANTIGENES

Publication  
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Application  
**EP 99913478 A 19990329**

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Abstract (en)  
[origin: WO9950424A2] Modified virus-like particles (VLPs) can comprise fusion proteins having sequence from a major coat protein of a papovavirus, e.g. L1 protein of HPV 16 or 18, in which the N-terminal of the sequence derived from the major coat protein is fused to a further peptide sequence. The VLPs can contain a full sequence of an L1 protein, or an L1 sequence with an N-terminal deletion, or an L1 sequence with an aminoacid substitution mutation, and optionally a C-terminal L1 sequence deletion. The peptide sequence fused to the N-terminal can be immunogenic e.g. from a protein of a pathogen such as a virus. The further peptide sequence can provide a binding domain for affinity purification of the VLP. Modified VLPs can retain the native conformation of the VLP structure while also presenting to the immune system of a subject immunised with the modified VLPs an epitope present on an N-terminal extension of the major coat protein sequence. Corresponding polynucleotides, expression vectors, plasmids, vectors and cells containing such polynucleotides are disclosed.

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