

The invention concerns a pharmaceutical composition containing at least one immunomodulating peptide or a protein (fragment) together with an adjuvant. The peptide is derived from a pathogen or a tumour antigen. The adjuvant has the ability to increase the binding of the peptide to the cells of the individual to be treated or increase the absorption of the peptide by the cells and intensify the immunomodulating effect of the peptide. Preferred adjuvants are basic polyamino acids, such as polyarginine or polylysine, which are optionally conjugated with a cellular ligand, for example a carbohydrate group or transferrin. The composition is used in particular as a vaccine, for example a tumour vaccine.