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(54) Title: ANTIBODY AND/OR CHEMOKINE CONSTRUCTS WHICH BIND TO A CHEMOKINE RECEPTOR AND THEIR USE IN IMMUNOLOGICAL DISORDERS

(57) Abstract: The present invention relates to the use of an antibody and/or chemokine construct which binds to a chemokine receptor for the preparation of a pharmaceutical composition for the elimination of cells which are latently infected with a primate immunodeficiency virus. In addition, the present invention provides for the use of an antibody and/or chemokine construct which binds to a chemokine receptor for the preparation of a pharmaceutical composition of the treatment, prevention and/or alleviation of inflammatory renal diseases, inflammatory bowel diseases, multiple sclerosis, skin diseases, diabetes or transplant rejection. Furthermore, the invention relates to antibody constructs and/or chemokine constructs wherein said antibody construct comprises a binding site of chemokine receptor 5 and a binding site for CD3 and wherein said chemokine construct comprises RANTES and a toxin. The invention also describes polynucleotides encoding said antibody- or chemokine constructs, and vectors and hosts comprising said nucleic acid molecules. Additionally, the present invention relates to compositions comprising said antibody constructs, chemokine constructs, polynucleotides, vectors and/or hosts. Preferably said composition is a pharmaceutical composition. Described is also the use of antibody constructs, the chemokine constructs, the polynucleotides, the hosts and/or the vectors of the preparation of a pharmaceutical composition and methods for treating, preventing and/or alleviating an immunological disorder or for eliminating latently infected cells, wherein said cells are infected with a primate immunodeficiency virus, like HIV-1. Furthermore, the invention provides for a kit comprising the compounds of the invention

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