(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 March 2002 (14.03.2002)

PCT

(10) International Publication Number
WO 02/020615 A3

(51) International Patent Classification[7]: A61K 39/395, 38/19, 47/48, C12N 15/12, 15/13, 15/62, 15/79, C15N 5/10, C07K 16/28, 19/00, A61K 31/7088, A61P 17/00, 19/00, 31/18, 37/06

(21) International Application Number: PCT/EP01/10433

(22) International Filing Date:
10 September 2001 (10.09.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

00119694.8	8 September 2000 (08.09.2000)	EP
09/948,004	5 September 2001 (05.09.2001)	US

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(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
25 July 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(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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