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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 September 2004 (02.09.2004)

PCT

(10) International Publication Number
WO 2004/074432 A3

(51) International Patent Classification[7]: A61K 39/00, 39/38, 39/395, 39/42, C07K 17/00, 16/00, C12P 21/08

(21) International Application Number:
PCT/US2004/002725

(22) International Filing Date: 30 January 2004 (30.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/443,979 31 January 2003 (31.01.2003) US

(71) Applicant *(for all designated States except US)*: **CELLDEX THERAPEUTICS, INC.** [US/US]; 519 Route 173 West, Blommsbury, NJ 08804 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **KELER, Tibor** [US/US]; 30 Park Road, Ottsville, PA 18942 (US). **ENDRES, Michael** [US/US]; 24 Delaware Road, P.O. Box 511, Riegelsville, PA 18077-0511 (US). **HE, Lizhen** [CN/US]; 1675 Ridgeview Drive, Allentown, PA 18104 (US). **RAMAKRISHNA, Venky** [IN/US]; 915 Sherers Hill Rd., Riegelsville, PA 18077-9565 (US).

(74) Agents: **DECONTI, Giulio, A.** et al.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
17 February 2005

(15) Information about Correction:
Previous Correction:
see PCT Gazette No. 41/2004 of 7 October 2004, Section II

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 VACCINE CONJUGATES AND USES THEREFOR

(57) Abstract: The present invention provides novel antibody vaccine conjugates and methods of using the same to induce a cytotoxic T cell (CTL) response. In a particular embodiment, the vaccine conjugate includes a human chorionic gonadotropin beta subunit (βhCG) antigen linked to an anti-mannose receptor (MR) antibody.

WO 2004/074432 A3