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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 September 2010 (23.09.2010)

PCT

(10) International Publication Number
WO 2010/106127 A3

(51) International Patent Classification:
C07K 14/47 (2006.01) *A61K 39/00* (2006.01)
A61P 25/28 (2006.01)

(21) International Application Number:
PCT/EP2010/053519

(22) International Filing Date:
18 March 2010 (18.03.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/161,165 18 March 2009 (18.03.2009) US
61/256,028 29 October 2009 (29.10.2009) US

(71) Applicant *(for all designated States except US)*: **AC IMMUNE S.A.** [CH/CH]; EPFL-PSE Building B, CH-1015 Lausanne (CH).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **PFEIFER, Andrea** [DE/CH]; Route de Fenil 16A, CH-1806 St. Légier (CH). **MUHS, Andreas** [DE/CH]; Avenue des Cerisiers 39b, CH-1009 Pully (CH). **PIHLGREN, Maria** [SE/CH]; Chemin du Tessin 6b, CH-1052 Mont-sur-Lausanne (CH).

(74) Agent: **VOSSIUS & PARTNER**; (Basel Office - No. 31), Siebertstraße 4, 81675 München (DE).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM,

[Continued on next page]

(54) Title: METHOD FOR THERAPEUTIC USE

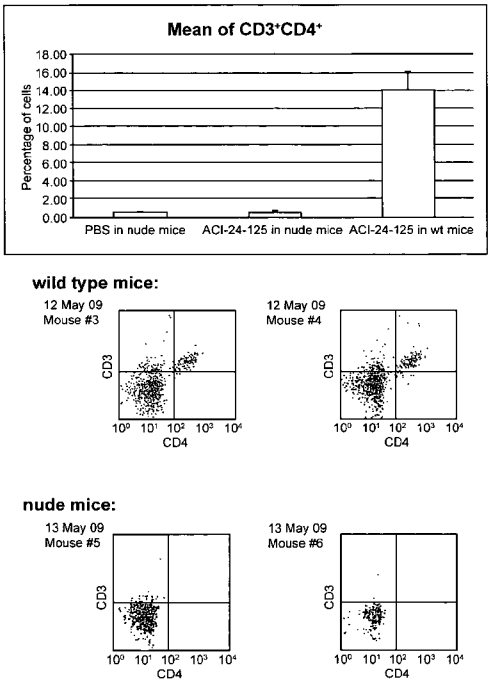


Figure 1

(57) Abstract: The present invention is related to methods for the therapeutic use in the treatment of diseases and disorders where T-helper independent antibody responses are beneficial. In particular, the present invention relates to a method wherein these diseases and disorders above are treated in immunocompromised or autoimmune diseased animals or humans. Even more particular the present invention relates to the treatment of Alzheimer's disease in immunocompromised or autoimmune diseased animals or humans or where inflammatory reactions need to be specifically avoided.

WO 2010/106127 A3

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

— *with sequence listing part of description (Rule 5.2(a))*

(88) Date of publication of the international search report:
31 March 2011