20030223316

15 APR 2003

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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 April 2002 (25.04.2002)

PCT

(10) International Publication Number
WO 02/032455 A3

(51) International Patent Classification[7]: A61K 39/39, C12Q 1/02, A61K 39/04, G01N 33/50

(21) International Application Number: PCT/GB01/04572

(22) International Filing Date: 15 October 2001 (15.10.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0025694.1 19 October 2000 (19.10.2000) GB

(71) Applicant *(for all designated States except US)*: UNIVERSITY COLLEGE LONDON [GB/GB]; Gower Street, London WC1E 6BY (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: ROOK, Graham, Arthur, William [GB/GB]; 29 Belitha Villas, London N1 1PE (GB). SEAH, Geok, Teng [SG/SG]; 526 East Coast Road, Colisa #02-02, Ocean Park, Singapore 458698 (SG).

(74) Agent: HARDING, Charles, Thomas; D Young & Co., 21 New Letter Lane, London EC4A 1DA (GB).

(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:
18 September 2003

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.



162162



ACTION

WO 02/032455 A3

(54) Title: VACCINE

(57) Abstract: The present invention relates to vaccine compositions comprising a Th2 inducing antigen, and optionally an adjuvant, wherein said optional adjuvant induces T-helper cell 1 (Th1). The invention further relates to methods for selecting antigens for use in vaccine compositions.