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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 September 2007 (07.09.2007)

PCT

(10) International Publication Number
WO 2007/099341 A1

(51) International Patent Classification:
G01N 33/50 (2006.01)

(21) International Application Number:
PCT/GB2007/000736

(22) International Filing Date: 2 March 2007 (02.03.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

0604170.1	2 March 2006 (02.03.2006)	GB
0619374.2	29 September 2006 (29.09.2006)	GB
0620123.0	11 October 2006 (11.10.2006)	GB

(71) Applicant *(for all designated States except US)*: **ANTITOPE LIMITED** [GB/GB]; Babraham Institute, Babraham, Cambridge CB2 4AT (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BAKER, Mathew** [GB/GB]; Antitope Limited, Babraham Institute, Babraham, Cambridge CB2 4AT (GB). **CARR, Francis, J.** [GB/GB]; Birchlea, The Holdings, Balmedie, Aberdeen AB23 8WU (GB). **RUST, Alyson** [GB/GB]; 31 Heasman Close, Newmarket, Suffolk CB8 0GR (GB). **DAVIES, Laura** [GB/GB]; 6 Foxhollow, Great Cambourne, Cambridge CB3 6HW (GB).

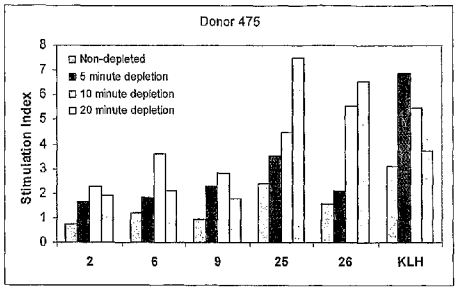
(74) Agent: **CHAPMAN, Paul, William**; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

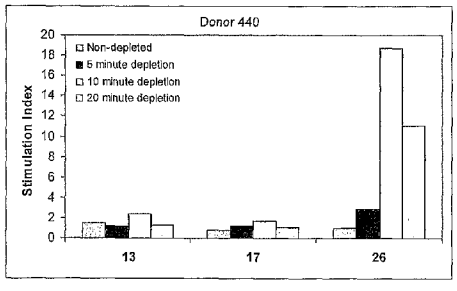
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,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

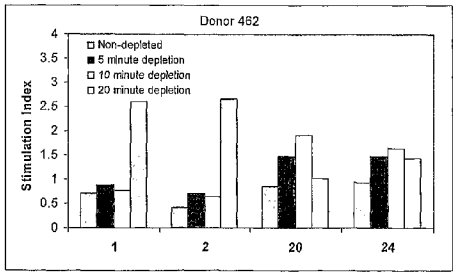
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: T CELL ASSAYS







(57) Abstract: The present invention relates to novel T cell assay methods, in particular where T cell responses to test antigens are increased by removal of regulatory T cells. Novel assays where the timing of incubation with antigens or other samples is varied in order to optimize detection of T cell responses are described. The invention has particular application for measurement of human T cell responses to pharmaceuticals, allergens, irritants or other substances.

WO 2007/099341 A1

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, IS, IT, LT, LU, LV, MC, MT, NL, PL, 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*

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.