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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 March 2008 (06.03.2008)

PCT

(10) International Publication Number
WO 2008/027338 A2

(51) International Patent Classification:
C07K 16/00 (2006.01)

(21) International Application Number:
PCT/US2007/018832

(22) International Filing Date: 24 August 2007 (24.08.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/840,774	28 August 2006 (28.08.2006)	US
60/897,875	25 January 2007 (25.01.2007)	US

(71) Applicants *(for all designated States except US)*: **KIRIN PHARMA KABUSHIKI KAISHA** [JP/JP]; 26-1, Jingu-mae 6-chrome, Shibuya-ku, Tokyo (JP). **LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY** [US/US]; 9420 Athena Circle, La Jolla, CA 92037 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GRANGER, Steven, W.** [US/US]; 902 Birchview, Encinitas, CA 92024 (US). **KATO, Shinichiro** [JP/US]; 4338 Corte Al Fresco, San Diego, CA 92130 (US). **WARE, Carl, F.** [US/US]; 1038 Santa Queta, Solana Beach, CA 92075 (US).

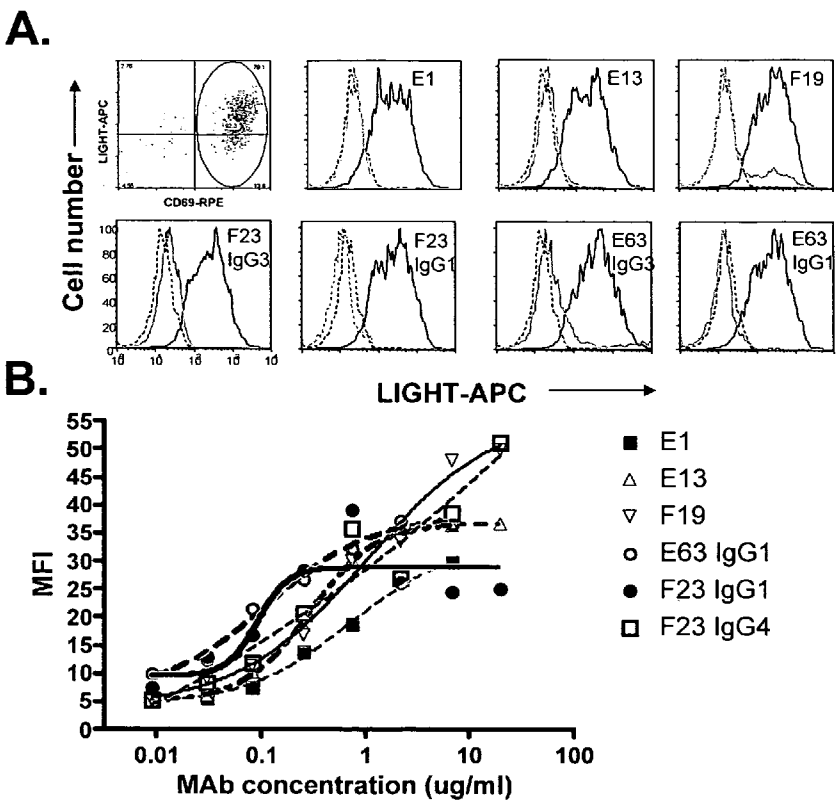
(74) Agents: **GISOLFI, Ann, L.** et al.; Jones Day, 222 East 41st Street, New York, NY 10017-6702 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, 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, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: ANTAGONISTIC HUMAN LIGHT-SPECIFIC HUMAN MONOCLONAL ANTIBODIES



(57) Abstract: Provided herein are antibodies, such as fully human antibodies, that immunospecifically bind to an hLIGHT polypeptide. Also provided are isolated nucleic acids encoding antibodies, such as fully human antibodies, that immunospecifically bind to a hLIGHT polypeptide. Further provided are vectors and host cells comprising nucleic acids encoding antibodies, such as fully human antibodies, that immunospecifically bind to a hLIGHT polypeptide. Also provided are methods of making antibodies, such as fully human antibodies, that immunospecifically bind to a hLIGHT polypeptide. Also provided herein is a method of treating a hLIGHT- mediated disease in a subject comprising administering to the subject an antibody, such as a fully human antibody, that immunospecifically binds to a hLIGHT polypeptide. In preferred embodiments, that anti-hLIGHT antibodies provided herein will ameliorate, neutralize or otherwise inhibit hLIGHT biological activity *in vivo* (*e.g.*, the hLIGHT- mediated production or secretion of CCL20, IL-8 or RANTES from a cell expressing a hLIGHT receptor). Also provided herein is a method for the detection of hLIGHT in a sample as well as a method for ameliorating, neutralizing or otherwise inhibiting hLIGHT activity, e.g., in a human subject suffering from a disorder in which hLIGHT activity is detrimental.

WO 2008/027338 A2

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:

— *without international search report and to be republished upon receipt of that report*

— *with sequence listing part of description published separately in electronic form and available upon request from the International Bureau*