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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 August 2008 (21.08.2008)

PCT

(10) International Publication Number
WO 2008/100805 A3

(51) International Patent Classification:
C07K 16/30 (2006.01) *A61P 35/00* (2006.01)
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/US2008/053376

(22) International Filing Date: 8 February 2008 (08.02.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/889,214 9 February 2007 (09.02.2007) US
60/891,475 23 February 2007 (23.02.2007) US

(71) Applicant *(for all designated States except US)*: **GENENTECH, INC.** [US/US]; 1 DNA Way, South San Francisco, California 94080 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **PEALE, JR., Franklin, V.** [US/US]; 416 Pearl Avenue, San Carlos, California 94070 (US). **WATTS, Ryan J.** [US/US]; 524 Yale Drive, San Mateo, California 94402 (US). **KOCH, Alexander W.** [DE/US]; 500 Poplar Avenue #309, Millbrae, California 94030 (US). **WU, Yan** [US/US]; 1160 Blythe Street, Foster City, California 94404 (US). **STAWICKI, Scott** [US/US]; 2022 - 15th Street, San Francisco, California 94105 (US). **CARANO, Richard** [US/US]; 2470 Paddock Drive, San Ramon, California 94583 (US).

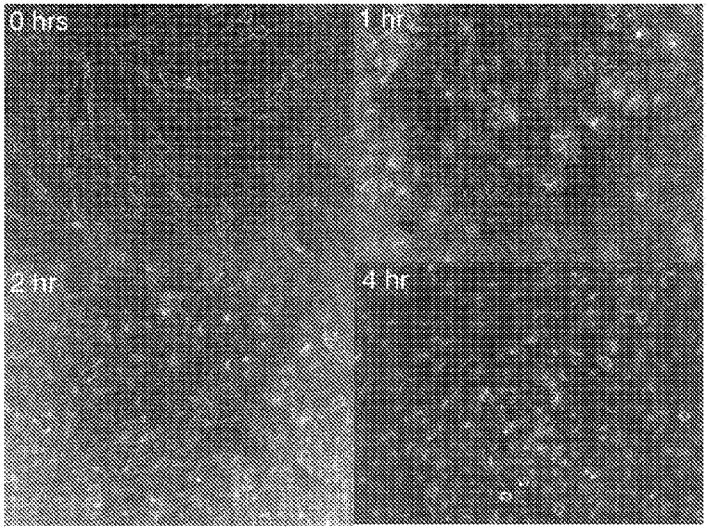
(74) Agents: **FANG, Carol A.** et al.; Genentech, Inc., 1 DNA Way, MS-49, South San Francisco, California 94080 (US).

(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, 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), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: ANTI-ROBO4 ANTIBODIES AND USES THEREFOR



Time Course of anti-Robo4 YW71.22.S1.16 Redistribution

FIG. 15C

(57) Abstract: The invention provides anti-Robo4 antibodies, and compositions comprising the antibodies and methods of using these antibodies, including diagnostic and therapeutic methods.

WO 2008/100805 A3

FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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*

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

(88) Date of publication of the international search report:
9 October 2008