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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 February 2013 (28.02.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/028442 A1

(51) International Patent Classification:
C07K 16/28 (2006.01) *A61P 35/00* (2006.01)
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/US2012/051038

(22) International Filing Date:
16 August 2012 (16.08.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

61/525,308	19 August 2011 (19.08.2011)	US
61/587,213	17 January 2012 (17.01.2012)	US
61/674,405	23 July 2012 (23.07.2012)	US

(71) Applicant *(for all designated States except US)*: **REGENERON PHARMACEUTICALS, INC** [US/US]; 777 Old Saw Mill River Road, Tarrytown, NY 10591 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **THURSTON, Gavin** [US/US]; 15 Stewart Place, Apt. 1M, White Plains, NY 10603 (US).

(74) Agent: **COTTINGHAM, Frank**; Regeneron Pharmaceuticals, INC, 777 Old Saw Mill River Road, Tarrytown, NY 10591 (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, BN, 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, QA, RO, RS, RU, RW, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, 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))*

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

(54) Title: ANTI-TIE2 ANTIBODIES USES THEREOF

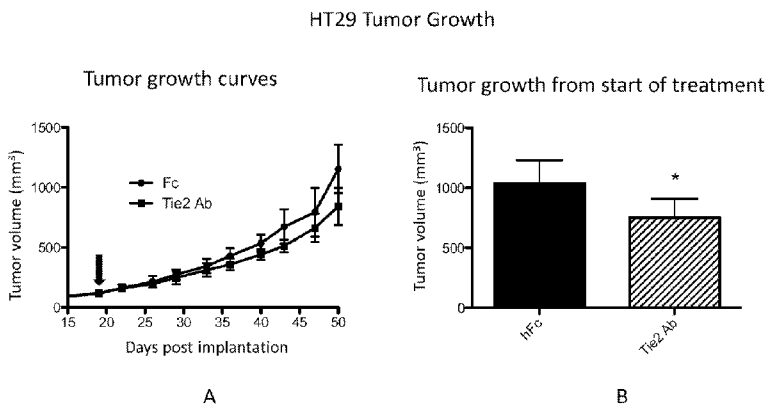


Figure 4

(57) Abstract: The present invention provides antibodies that bind to Tie2 and methods of using same. According to certain embodiments of the invention, the antibodies are fully human antibodies that bind to human Tie2 and block the interaction between Tie2 and one or more Tie2 ligands such as angtopotetin 1 (Ang1), angtopoietin 2 (Ang2), angiopoietin 3 (Ang3) and/or angtopoietin 4 (Ang4). The antibodies of the invention are useful, *inter alia*, for the treatment of d and disorders associated with one or more Tie2 biological activities including angiogenesis.

WO 2013/028442 A1