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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 August 2013 (22.08.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/123152 A2

(51) International Patent Classification:
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/US2013/026087

(22) International Filing Date:
14 February 2013 (14.02.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/600,499 17 February 2012 (17.02.2012) US
61/602,511 23 February 2012 (23.02.2012) US

(71) Applicant: **SEATTLE GENETICS, INC.** [US/US]; 21823 30th Drive Southeast, Bothell, Washington 98021 (US).

(72) Inventors: **RYAN, Maureen**; Seattle Genetics, Inc., 21823 30th Drive Southeast, Bothell, Washington 98021 (US). **SUSSMAN, Django**; Seattle Genetics, Inc., 21823 30th Drive Southeast, Bothell, Washington 98021 (US).

(74) Agents: **ABERMAN, Leslie** et al.; Seattle Genetics, Inc., 21823 30th Drive Southeast, Bothell, Washington 98021 (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, PA, 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).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

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

(54) **Title**: ANTIBODIES TO INTEGRIN αVβ6 AND USE OF SAME TO TREAT CANCER

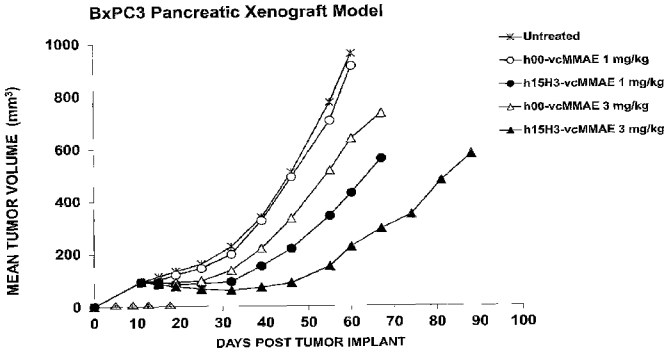


Figure 12

(57) **Abstract**: The invention provides antibodies that specifically bind to integrin αvβ6. The antibodies are useful for treatment and diagnoses of various cancers as well as detecting αvβ6.

WO 2013/123152 A2