



(51) International Patent Classification:

C07K 16/28 (2006.01) A61K 39/00 (2006.01)

(21) International Application Number:

PCT/EP2017/079930

(22) International Filing Date:

21 November 2017 (21.11.2017)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1619648.7 21 November 2016 (21.11.2016) GB

(71) Applicant: ALLIGATOR BIOSCIENCE AB [SE/SE];
Medicon Village, SE-233 81 Lund (SE).

(72) Inventors: ELLMARK, Peter; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE). FRITZELL, Sara; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE). FUREBRING, Christina; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE). PETERSSON, Jessica; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE). SÄLL, Anna; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE). SMITH, Karin Enell; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE). VARAS, Laura; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE). VON SCHANTZ, Laura; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE). VEITONMÄKI, Niina; Alligator Bioscience AB, Medicon Village, SE-233 81 Lund (SE).

(74) Agent: SMITH, Stephen Edward; Potter Clarkson LLP, The Belgrave Centre, Talbot Street, Nottingham NG1 5GG (GB).

(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, SA, 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, ST, 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, KM, ML, MR, NE, SN, TD, TG).

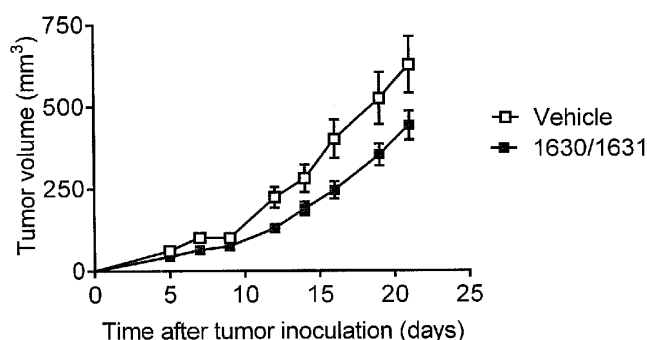
Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

28 June 2018 (28.06.2018)

(54) Title: NOVEL ANTI_CD137 ANTIBODIES AND USES THEREOF



(57) Abstract: The present invention relates to antibodies (and fragments, variants, fusions and derivatives thereof) with binding specificity for domain 2 of human CD137 which are capable of inhibiting the binding of a reference antibody to human CD137. The antibodies and fragments have utility in the treatment of diseases such as cancer. The invention also relates to pharmaceutical compositions, uses, methods and kits comprising such antibodies.