

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number

WO 2020/051333 A8

(43) International Publication Date
12 March 2020 (12.03.2020)

(51) International Patent Classification:

C07K 16/28 (2006.01) A61P 35/00 (2006.01)

(21) International Application Number:

PCT/US2019/049748

(22) International Filing Date:

05 September 2019 (05.09.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/728,688 07 September 2018 (07.09.2018) US
62/890,945 23 August 2019 (23.08.2019) US

(71) Applicants: **PFIZER INC.** [US/US]; 235 East 42nd Street, New York, NY 10017 (US). **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 1111 Franklin St., Oakland, CA 94607-5200 (US).

(72) Inventors: **NIESSEN, Kyle, Steven**; 235 East 42nd Street, New York, NY 10017 (US). **SAMUEL, Dharmaraj**; 235 East 42nd Street, New York, NY 10017 (US). **HOLST, Charles, Ray**; 235 East 42nd Street, New York, NY 10017 (US).

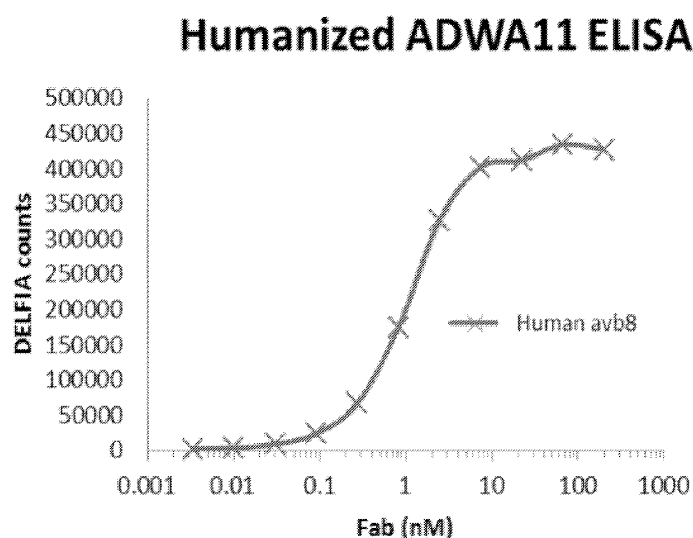
(US). **DREVER, Matthew, Ross**; 235 East 42nd Street, New York, NY 10017 (US). **SHEPPARD, Dean**; 1111 Franklin St., Oakland, CA 94607-5200 (US). **AKHURST, Rosemary, J.**; 1111 Franklin St., Oakland, CA 94607-5200 (US). **ATAKILIT, Amha**; 1111 Franklin St., Oakland, CA 94607-5200 (US). **MEYER, Dominique**; 1111 Franklin St., Oakland, CA 94607-5200 (US). **RONDON, Isaac, J.**; 235 East 42nd Street, New York, NY 10017 (US). **DAL PORTO, Joseph**; 235 East 42nd Street, New York, NY 10017 (US).

(74) Agent: **COLLAZO, Diana, M.** et al.; Lando & Anastasi, LLP, Riverfront Office Park, One Main Street, Suite 1100, Cambridge, MA 02142 (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, 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,

(54) Title: ANTI-AVB8 ANTIBODIES AND COMPOSITIONS AND USES THEREOF

FIG. 3B



(57) Abstract: The invention provides antibodies, and antigen-binding fragments thereof, that specifically bind to $\alpha v \beta 8$ integrin. The invention includes uses, and associated methods of using the antibodies.

[Continued on next page]

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))
- with sequence listing part of description (Rule 5.2(a))

(48) Date of publication of this corrected version:

25 June 2020 (25.06.2020)

(15) Information about Correction:

see Notice of 25 June 2020 (25.06.2020)