



(51) **International Patent Classification:**
C07K 16/28 (2006.01) *A61P 35/00* (2006.01)
A61P 25/28 (2006.01)

(21) **International Application Number:**
PCT/US2019/039757

(22) **International Filing Date:**
28 June 2019 (28.06.2019)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**
62/691,913 29 June 2018 (29.06.2018) US

(71) **Applicant:** ALECTOR LLC [US/US]; 131 Oyster Point Blvd, Suite 600, South San Francisco, California 94080 (US).

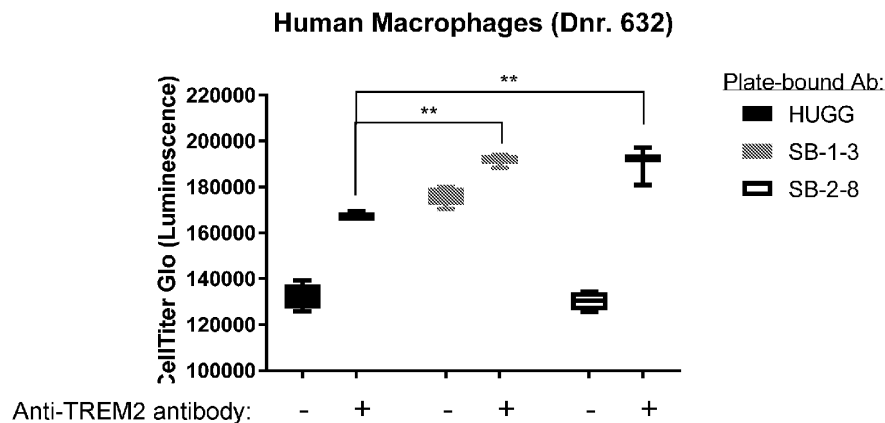
(72) **Inventors:** PINCETIC, Andrew; c/o Alector LLC, 131 Oyster Point Blvd, Suite 600, South San Francisco, California 94080 (US). CULP, Patricia; c/o Alector LLC, 131 Oyster Point Blvd, Suite 600, South San Francisco, California 94080 (US). ROSENTHAL, Arnon; c/o Alector LLC, 131 Oyster Point Blvd, Suite 600, South San Francisco, California 94080 (US).

(74) **Agent:** SCARR, PHD, Rebecca B. et al.; McNeill Baur PLLC, 500 W. Silver Spring Drive, Suite K-200, Glendale, Wisconsin 53217 (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, 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).

(54) **Title:** ANTI-SIRP-BETA1 ANTIBODIES AND METHODS OF USE THEREOF



(57) **Abstract:** The present disclosure is generally directed to compositions that include antibodies, *e.g.*, monoclonal, antibodies, antibody fragments, *etc.*, that specifically bind a SIRPβ1 polypeptide, *e.g.*, a human SIRPβ1, and use of such compositions in preventing, reducing risk, or treating an individual in need thereof.

[Continued on next page]

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

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

20 February 2020 (20.02.2020)