

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2021/146320 A8

(43) International Publication Date
22 July 2021 (22.07.2021)

(51) International Patent Classification:

C07K 16/28 (2006.01) *C07K 16/46* (2006.01)
A61P 35/00 (2006.01) *A61K 39/395* (2006.01)
A61P 37/00 (2006.01)

(21) International Application Number:

PCT/US2021/013284

(22) International Filing Date:

13 January 2021 (13.01.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

62/960,544 13 January 2020 (13.01.2020) US

(71) Applicant: **VISTERRA, INC.** [US/US]; 275 2nd Avenue,
4th Floor, Waltham, MA 02451 (US).

(72) Inventors: **VISWANATHAN, Karthik**; C/o Visterra,
Inc., 275 2nd Avenue, 4th Floor, Waltham, MA 02451 (US).
BOOTH, Brian; C/o Visterra, Inc., 275 2nd Avenue, 4th
Floor, Waltham, MA 02451 (US). **RAMAKRISHNAN,**
Boopathy; C/o Visterra, Inc., 275 2nd Avenue, 4th Floor,
Waltham, MA 02451 (US). **WOLLACOTT, Andrew**; c/

o Visterra, Inc., 275 2nd Avenue, 4th Floor, Waltham,
MA 02451 (US). **BABCOCK, Gregory**; c/o Visterra, Inc.,
275 2nd Avenue, 4th Floor, Waltham, MA 02451 (US).
SHRIVER, Zachary; C/o Visterra, Inc., 275 2nd Avenue,
4th Floor, Waltham, MA 02451 (US).

(74) Agent: **KIM, Sang-A**; Proskauer Rose LLP, One Interna-
tional Place, Boston, MA 02110 (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, IT, 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, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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,

(54) Title: ANTIBODY MOLECULES TO C5aR1 AND USES THEREOF

(57) Abstract: Antibody molecules that specifically bind to C5aR1 are disclosed. The antibody molecules can be used to treat, prevent, and/or diagnose disorders, such as ANCA-vasculitis.

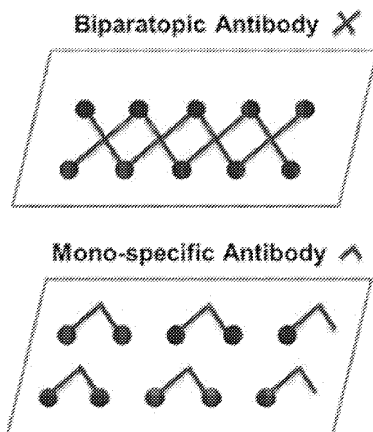


FIG. 1

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 amended claims (Art. 19(1))*

(48) Date of publication of this corrected version:

28 July 2022 (28.07.2022)

(15) Information about Correction:

see Notice of 28 July 2022 (28.07.2022)

Previous Correction:

see Notice of 24 March 2022 (24.03.2022)

Previous Correction:

see Notice of 18 November 2021 (18.11.2021)