



(51) International Patent Classification:

C07K 16/28 (2006.01) A61K 39/395 (2006.01)
C12N 15/62 (2006.01) A61K 31/7105 (2006.01)
C12N 15/86 (2006.01) A61K 39/00 (2006.01)

(21) International Application Number:

PCT/US2024/048295

(22) International Filing Date:

25 September 2024 (25.09.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/540,332 25 September 2023 (25.09.2023) US
63/618,880 08 January 2024 (08.01.2024) US

(71) Applicant: **KELONIA THERAPEUTICS, INC.**

[US/US]; 135 William T. Morrissey Boulevard, Suite C,
Boston, MA 02125 (US).

(72) Inventors: **FRIEDMAN, Kevin, M.**; 525 East 2nd Street,

Boston, MA 02127 (US). **PERKINS, Molly, R.**; 64 Bradlee
Rd., Milton, MA 02186 (US). **DOBSON, Connor, S.**;
1270 4th St NE, Apt 743, Washington, DC 20002 (US).
SAZINSKY, Stephen, L.; 58 Westland Ave., Winchester,
MA 01890 (US). **CONTRASTANO, Shannon, G.**; 8 Orris
St. #2, Auburndale, MA 02466 (US). **THOMPSON BEU-
RA, Emily**; 59 Marshall Avenue, Mansfield, MA 02048
(US). **AHONEN, Cory**; 7 Lucent Drive, Lebanon, NH

03766 (US). **AVERY, Andrew**; 7 Lucent Drive, Lebanon,
NH 03766 (US).

(74) Agent: **BRYAN, Erin, E.**; Morse, Barnes-brown & Pendle-

ton, P.C., CityPoint, 480 Totten Pond Road, 4th Floor,
Waltham, MA 02451 (US).

(81) Designated States (unless otherwise indicated, for every

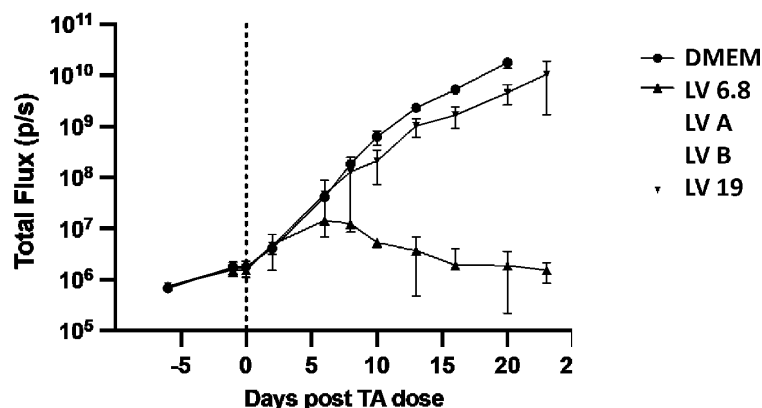
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, 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, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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: ANTIGEN BINDING POLYPEPTIDES

FIGURE 5A



(57) Abstract: The present disclosure provides compositions comprising antigen binding polypeptides. More particularly, the disclosure relates to polypeptides comprising antibodies or antigen binding fragments thereof, nucleic acids encoding the polypeptides, and vectors for expressing the same.

[Continued on next page]

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))