

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 April 2025 (17.04.2025)



(10) International Publication Number
WO 2025/080685 A2

- (51) **International Patent Classification:**
C07K 16/28 (2006.01) *A61K 40/11* (2025.01)
- (21) **International Application Number:**
PCT/US2024/050538
- (22) **International Filing Date:**
09 October 2024 (09.10.2024)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/589,149 10 October 2023 (10.10.2023) US
- (71) **Applicant:** MARENGO THERAPEUTICS, INC.
[US/US]; 840 Memorial Drive, 4th Floor, Cambridge,
Massachusetts 02139 (US).
- (72) **Inventors:** KATRAGADDA, Madan; c/o Marengo Ther-
apeutics, Inc., 840 Memorial Drive, 4th Floor, Cambridge,
Massachusetts 02139 (US). BAYLIFFE, Andrew; c/o
Marengo Therapeutics, Inc., 840 Memorial Drive, 4th Floor,
Cambridge, Massachusetts 02139 (US).
- (74) **Agent:** XIANG, Ting Wei et al.; Wilson Sonsini Goodrich
& Rosati, 650 Page Mill Road, Palo Alto, California 94304
(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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

Published:

- without international search report and to be republished
upon receipt of that report (Rule 48.2(g))

(54) **Title:** ANTIBODY MOLECULES THAT BIND TO NKP30 AND USES THEREOF

(57) **Abstract:** Provides herein are compositions comprising an agent that com-
prises an antigen binding domain that binds to Nkp30, and methods of treating
conditions or diseases in a subject and methods of expanding and/or activation
NK cells using the same.

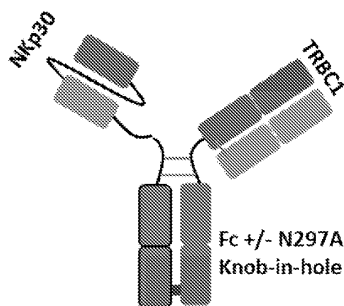


FIG. 1A

WO 2025/080685 A2