

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
21 November 2024 (21.11.2024)



(10) International Publication Number
WO 2024/236031 A1

(51) International Patent Classification:

C07K 1/18 (2006.01) A61P 35/00 (2006.01)
C07K 16/28 (2006.01)

(21) International Application Number:

PCT/EP2024/063361

(22) International Filing Date:

15 May 2024 (15.05.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

23173500.2 15 May 2023 (15.05.2023) EP

(71) Applicant: GENMAB A/S [DK/DK]; Carl Jacobsens Vej
30, 2500 Valby (DK).

(72) Inventors: HIBBERT, Richard G.; c/o Genmab B.V. Upp-
salalaan 15, 3584 CT Utrecht (NL). BJERREGAARD,
Bolette; c/o Genmab A/S, Carl Jacobsens Vej 30, 2500 Val-
by (DK). JENSEN, Søren S.; 1920 Frederiksberg (DK).
OLIVEIRA DA COSTA, César F.; c/o Genmab B.V. Upp-
salalaan 15, 3584 CT Utrecht (NL). O'DONNELL, Rohan;
c/o Genmab A/S, Carl Jacobsens Vej 30, 2500 Valby (DK).

(74) Agent: GENMAB A/S; Carl Jacobsens Vej 30, DK-2500
Valby (DK).

(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: HIGHLY PURIFIED EPCORITAMAB COMPOSITIONS

(57) Abstract: The present disclosure provides highly purified epcoritamab compositions, which comprise a bispecific antibody that binds CD3 and CD20. In the highly purified compositions, impurities, such as epcoritamab protein variants, process-related impurities and/or product-related impurities, have been minimized or removed. Methods of preparing the highly purified epcoritamab compositions are also provided.

WO 2024/236031 A1