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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 November 2013 (14.11.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/167259 A1

(51) **International Patent Classification**:
*C07K 16/30* (2006.01)

(21) **International Application Number**:
PCT/EP2013/001331

(22) **International Filing Date**:
6 May 2013 (06.05.2013)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
PCT/EP2012/001991 9 May 2012 (09.05.2012) EP

(71) **Applicants**: **GANYMED PHARMACEUTICALS AG** [DE/DE]; Freiligrathstrasse 12, 55131 Mainz (DE). **TRON- Translationale Onkologie an der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH** [DE/DE]; Langenbeckstrasse 1, 55131 Mainz (DE).

(72) **Inventors**: **SAHIN, Ugur**; Philipp-von-Zabern-Platz 1, 55116 Mainz (DE). **TÜRECI, Özlem**; Philipp-von-Zabern-Platz 1, 55116 Mainz (DE). **MITNACHT-KRAUS, Rita**; Taunusstrasse 45, 61169 Friedberg (DE). **WÖLL, Stefan**; Pommardstrasse 22a, 55299 Nackenheim (DE).

(74) **Agents**: **SCHNAPPAUF, Georg** et al.; ZSP Patentanwälte, Partnerschaftsgesellschaft, Radlkoferstrasse 2, 81373 München (DE).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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, 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, ML, MR, NE, SN, TD, TG).

**Published**:

— *with international search report (Art. 21(3))*

— *with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description (Rules 13bis.4(d)(i) and 48.2(a)(viii))*

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

WO 2013/167259 A1

(54) **Title**: ANTIBODIES AGAINST CLAUDIN 18.2 USEFUL IN CANCER DIAGNOSIS

(57) **Abstract**: The invention relates to antibodies directed against an epitope located within the C-terminal portion of CLDN18.2 which are useful, for example, in diagnosing cancer and/or in determining whether cancer cells express CLDN18.2.