

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 March 2022 (17.03.2022)



(10) International Publication Number
WO 2022/053715 A1

(51) International Patent Classification:
C07K 16/28 (2006.01) *A61P 29/00* (2006.01)

(21) International Application Number:
PCT/EP2021/075235

(22) International Filing Date:
14 September 2021 (14.09.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20195961.6 14 September 2020 (14.09.2020) EP
21151218.1 12 January 2021 (12.01.2021) EP
21159485.8 26 February 2021 (26.02.2021) EP
21179711.3 16 June 2021 (16.06.2021) EP

(71) Applicant: ICHNOS SCIENCES SA [CH/CH]; Chemin de la Combeta 5, 2300 La Chaux-de-Fonds (CH).

(72) Inventors: MACOIN, Julie; Chemin de la Combeta 5, 2300 La Chaux-de-Fonds (CH). CROSET, Amelie; Chemin de la Combeta 5, 2300 La Chaux-de-Fonds (CH). LOYAU, Jeremy; Chemin de la Combeta 5, 2300 La Chaux-de-Fonds (CH). MONNEY, Thierry; Chemin de la Combeta 5, 2300 La Chaux-de-Fonds (CH). MBOW, Lamine; Chemin de la Combeta 5, 2300 La Chaux-de-

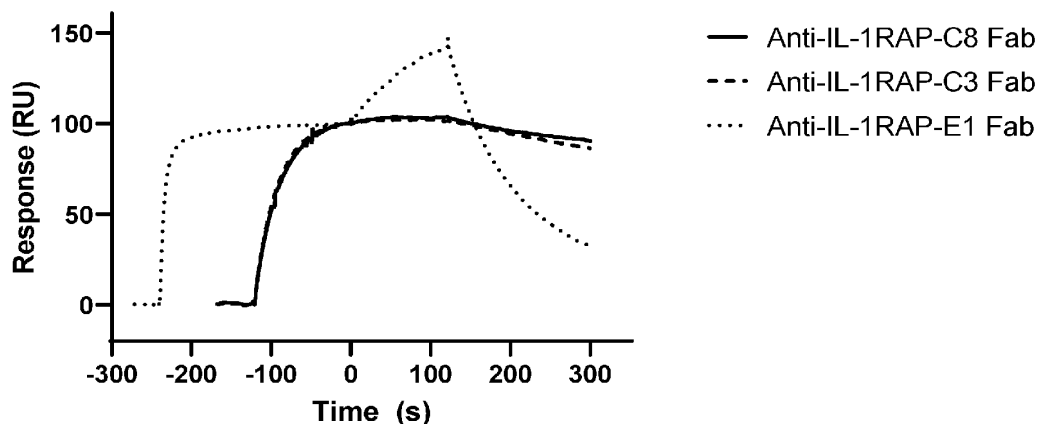
Fonds (CH). DOUCEY, Marie-Agnes; Chemin de la Combeta 5, 2300 La Chaux-de-Fonds (CH). LABANCA, Valentina; Chemin de la Combeta 5, 2300 La Chaux-de-Fonds (CH).

(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, 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).

(54) Title: ANTIBODIES THAT BIND TO IL1RAP AND USES THEREOF

FIG. 1



(57) Abstract: The present invention relates to antibodies which specifically bind to human IL1RAP and may also bind to cynomolgus monkey and/or mouse IL1RAP. The present invention also relates to the use of such antibodies to diagnose and treat human disease.

[Continued on next page]

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
- *with sequence listing part of description (Rule 5.2(a))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*