



(51) International Patent Classification:

C07K 16/28 (2006.01) *A61P 37/02* (2006.01)
A61K 39/395 (2006.01) *C12N 15/13* (2006.01)
A61P 31/00 (2006.01) *C12N 5/10* (2006.01)
A61P 35/00 (2006.01) *C12P 21/08* (2006.01)
A61P 35/02 (2006.01)

(21) International Application Number:

PCT/CA2020/050195

(22) International Filing Date:

14 February 2020 (14.02.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/806,237 15 February 2019 (15.02.2019) US

(71) Applicant: **UNIVERSITY HEALTH NETWORK**
 [CA/CA]; 190 Elizabeth Street, R. Fraser Elliot Building -
 Room 1S-417, Toronto, Ontario M5G 2C4 (CA).

(72) Inventors: **BROKX, Richard**; c/o University Health Net-
 work, 190 Elizabeth Street, R. Fraser Elliot Building -
 Room 1S-417, Toronto, Ontario M5G 2C4 (CA). **MASON,**
Jacqueline M.; c/o University Health Network, 190 Eliza-
 beth Street, R. Fraser Elliot Building - Room 1S-417, Toron-
 to, Ontario M5G 2C4 (CA). **BRAY, Mark R.**; c/o Univer-
 sity Health Network, 190 Elizabeth Street, R. Fraser Elliot
 Building - Room 1S-417, Toronto, Ontario M5G 2C4 (CA).

(74) Agent: **BOWN, Christopher** et al.; GOWLING WLG
 (CANADA) LLP, Suite 2600, 160 Elgin Street, Ottawa, On-
 tario K1P 1C3 (CA).

(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, 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.

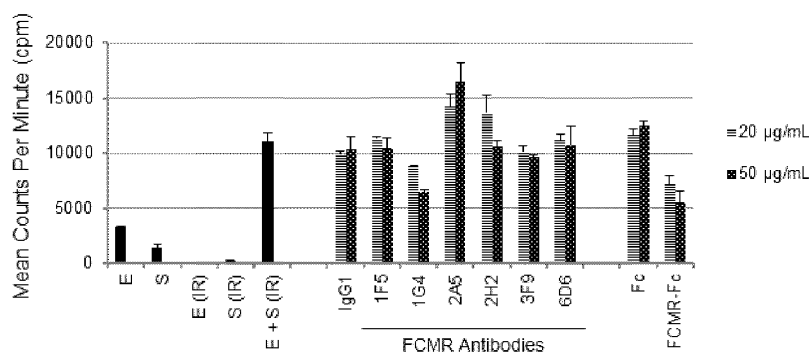
(84) Designated States (*unless otherwise indicated, for every
 kind of regional protection available*): ARIPO (BW, GH,
 GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
 UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
 TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

(54) Title: FCMR-BINDING MOLECULES AND USES THEREOF

FIGURE 2



(57) Abstract: The invention provides novel anti-FCMR antibodies, pharmaceutical compositions comprising such antibodies, and therapeutic methods of using such antibodies and pharmaceutical compositions for the treatment of diseases such as cancer or autoimmune disease.

[Continued on next page]

Published:

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