

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
28 July 2022 (28.07.2022)



(10) International Publication Number
WO 2022/159349 A1

(51) International Patent Classification:
C07K 16/28 (2006.01) *A61K 39/395* (2006.01)
A61P 35/00 (2006.01)

(21) International Application Number:
PCT/US2022/012598

(22) International Filing Date:
14 January 2022 (14.01.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/199,732 20 January 2021 (20.01.2021) US
63/200,897 01 April 2021 (01.04.2021) US

(71) Applicant: ONCORESPONSE, INC. [US/US]; 1124 Columbia St, Ste 300, Seattle, Washington 98104 (US).

(72) Inventors: ZHANG, Jinglei; 1124 Columbia St, Ste 300, Seattle, Washington 98104 (US). WANG, Pingping; 1124 Columbia St, Ste 300, Seattle, Washington 98104 (US). PURI, Kamal; 1124 Columbia St, Ste 300, Seattle, Washington 98104 (US).

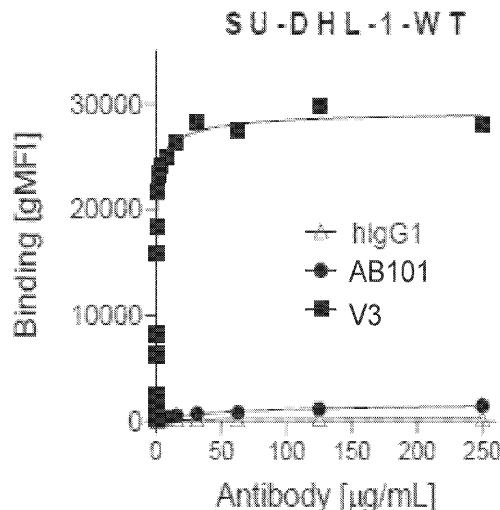
(74) Agent: POULOS, Sabrina D. et al.; Goodwin Procter LLP, 100 Northern Avenue, IP Docketing Dept. /7th Fl, Boston, Massachusetts 02210 (US).

(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, 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,

(54) Title: IMMUNOMODULATORY ANTIBODIES AND USES THEREOF

FIG. 1A



(57) Abstract: Provided herein are antibodies and methods of use thereof. The antibodies as disclosed herein bind to CD163⁺ on cells, such as on macrophages. These antibodies can be used in methods of treatment, such as methods of treating cancer and fibrosis.

[Continued on next page]

WO 2022/159349 A1

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))*

Published:

- *with international search report (Art. 21(3))*
- *with sequence listing part of description (Rule 5.2(a))*