

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2022/240797 A1

(43) International Publication Date
17 November 2022 (17.11.2022)

(51) International Patent Classification:

A61K 48/00 (2006.01) *C12N 5/16* (2006.01)
C12N 5/071 (2006.01) *C07H 21/04* (2006.01)
C12N 15/00 (2006.01) *A61K 39/00* (2006.01)

Published:

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

(21) International Application Number:

PCT/US2022/028454

(22) International Filing Date:

10 May 2022 (10.05.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

17/320,663 14 May 2021 (14.05.2021) US

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(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, IQ, IR, IS, IT, JM, 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: IMMUNOSUPPRESSIVE ANTIGEN-SPECIFIC CHIMERIC ANTIGEN RECEPTOR TREG CELLS FOR PREVENTION AND/OR TREATMENT OF AUTOIMMUNE AND ALLOIMMUNE DISORDERS

(57) Abstract: Described herein are immunoresponsive cells which are useful for their preventive and therapeutic potential against autoimmune diseases and rejections of solid organ transplants. Specifically, the disclosure provides an immunoresponsive cell comprising: a chimeric antigen receptor (CAR) that binds to glutamic acid decarboxylase 65 kDA (GAD65) in the cell; and a method of preventing or treating type 1 diabetes (T1D), the method comprising administering to the subject an effective amount of the immunoresponsive cells.

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