



(51) International Patent Classification:

A61K 38/08 (2019.01) C07K 7/06 (2006.01)
A61K 38/17 (2006.01)

(21) International Application Number:

PCT/GB2019/051785

(22) International Filing Date:

25 June 2019 (25.06.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1810358.0 25 June 2018 (25.06.2018) GB

(71) Applicant: **UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED** [GB/GB]; 30-36 Newport Road, Cardiff South Glamorgan CF24 0DE (GB).

(72) Inventors: **SEWELL, Andrew**; 16 Mill Road, Cardiff South Glamorgan CF14 0XB (GB). **DOLTON, Garry**; 35 Rose Street, Roath, Cardiff South Glamorgan CF24 3EA (GB).

(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, 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, 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).

Published:

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

(54) Title: CANCER-SPECIFIC T-CELL RECEPTORS

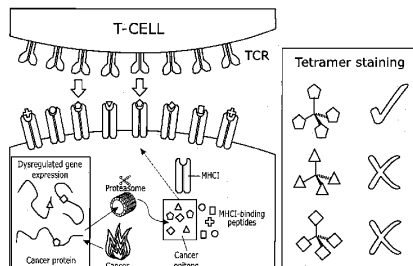


Figure 13A Normal Cancer-specific T-cell (recognizes one cancer peptide)

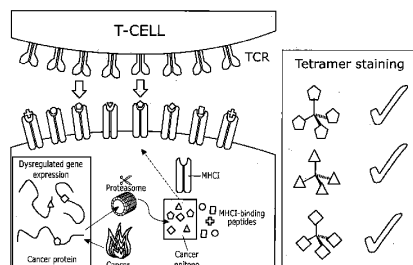


Figure 13B Multipronged Cancer-specific T-cell (recognizes more than one cancer peptide)

(57) Abstract: The present disclosure relates to a new anti-cancer peptide; a vector encoding same; a pharmaceutical composition or immunogenic agent or bispecific or vaccine comprising said anti-cancer peptide; use of said anti-cancer peptide, vector, pharmaceutical composition, immunogenic agent, bispecific or vaccine to treat cancer; a method of treating cancer using said anti-cancer peptide, vector, pharmaceutical composition, immunogenic agent, bispecific or vaccine; and a combination therapeutic for the treatment of cancer comprising said anti-cancer peptide, vector, pharmaceutical composition, immunogenic agent, bispecific or vaccine.