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

(19) World Intellectual Property Organization
International Bureau

G00002

(43) International Publication Date
4 July 2002 (04.07.2002)

PCT

(10) International Publication Number
WO 02/052002 A2

(51) International Patent Classification[7]: C12N 15/11, A61K 31/7115, 31/713, 31/7125, 39/39 // A61P 11/06, 31/00, 37/08

(21) International Application Number: PCT/US01/50821

(22) International Filing Date:
27 December 2001 (27.12.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/258,675 27 December 2000 (27.12.2000) US

(71) Applicant *(for all designated States except US)*: **DYNAVAX TECHNOLOGIES CORPORATION** [US/US]; Suite 100, 717 Potter Street, Berkeley, CA 94710 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **FEARON, Karen, L.** [US/US]; 4064 Valente Court, Lafayette, CA 94549 (US). **DINA, Dino** [US/US]; 6140 Buena Vista Avenue, Oakland, CA 94618 (US).

(74) Agents: **ZACHOW, Karen, R.** et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

162162

WO 02/052002 A2

(54) Title: IMMUNOMODULATORY POLYNUCLEOTIDES AND METHODS OF USING THE SAME

(57) Abstract: The invention provides immunomodulatory polynucleotides and methods for immunomodulation of individuals using the immunomodulatory polynucleotides.