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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/020936 A2

(51) International Patent Classification[7]: A61K

(21) International Application Number:
PCT/US2004/006047

(22) International Filing Date: 27 February 2004 (27.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/450,721 28 February 2003 (28.02.2003) US

(71) Applicant *(for all designated States except US)*: **ANTIGENICS INC.** [US/US]; 630 Fifth Avenue, Suite 2100, New York, NY 10011 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ZABRECKY, James, R.** [US/US]; 18 Arlington Road, Waltham, MA 02453 (US). **MONKS, Stephen, A.** [US/US]; 58 Willow Avenue, Somerville, MA 02144 (US).

(74) Agents: **ANTLER, Adriane, M.** et al.; Jones Day, 222 East 41st Street, New York, NY 10017-6702 (US).

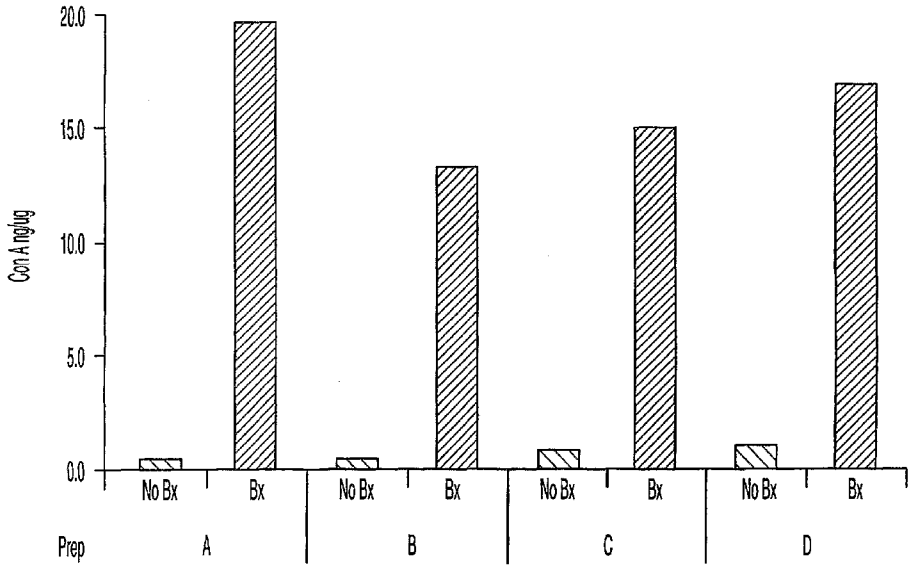
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,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

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (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.

(54) Title: USE OF LECTINS TO PROMOTE OLIGOMERIZATION OF GLYCOPROTEINS AND ANTIGENIC MOLECULES



(57) Abstract: The present invention relates to using lectin or lectin-like molecules to promote oligomerization of a glycoprotein or an immunologically and/or biologically active complex comprising glycoproteins. In particular, the invention provides compositions of a molecular complex comprising lectin molecules and immunologically and/or biologically active molecules. Methods of making such molecular complexes and methods of use of the compositions comprising such molecular complexes for the prevention and treatment of diseases, particularly cancer and infectious diseases, and for eliciting an immune response in a subject, are also provided.

WO 2005/020936 A2