200204801 5 08/08/02

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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 August 2001 (30.08.2001)

PCT

(10) International Publication Number
WO 01/62286 A1

(51) International Patent Classification[7]: A61K 39/395, C07K 16/30, G01N 33/574

(21) International Application Number: PCT/SE01/00395

(22) International Filing Date: 23 February 2001 (23.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0000597-5 24 February 2000 (24.02.2000) SE

(71) Applicant *(for all designated States except US)*: **ACTIVE BIOTECH AB** [SE/SE]; Box 724, S-220 07 Lund (SE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BRODIN, Thomas, N.** [SE/SE]; Lidängsgatan 10, S-252 71 Råå (SE). **KARLSTRÖM, Pia, J.** [SE/SE]; Fjelievägen 10A, S-227 36 Lund (SE). **NILSON, Bo, H., K.** [SE/SE]; Sölvegatan 11, S-223 62 Lund (SE). **OHLSSON, Lennart, G.** [SE/SE]; Rudeboksvägen 898, S-226 55 Lund (SE). **TORDSSON, M., Jesper** [SE/SE]; Flöjtvägen 20B, S-224 68 Lund (SE).

(74) Agent: **AWAPATENT AB**; Box 5117, S-200 71 Malmö (SE).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, 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, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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



ACTION

WO 01/62286 A1

(54) Title: NOVEL ANTIBODY WITH SPECIFICITY FOR COLON CANCER

(57) Abstract: A binding structure which binds in, and/or to the surface of, tumour cells; a target structure displayed and/or expressed in, or on the surface of, tumour cells; a binding structure that recognises and blocks said target structure; a substance that binds to or blocks the expression of said target structure; pharmaceutical compositions comprising said binding structure, target structures or substance as active principles; vaccine compositions comprising said target structures as active principles; a method for phage selection; and methods of *in vitro* and *in vivo* diagnosis and prognosis, and of treatment of human malignant diseases comprising the use of the above subject matters, are described.