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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/080428 A2

(51) International Patent Classification[7]: C07K 16/00

(21) International Application Number:
PCT/EP2005/001307

(22) International Filing Date: 9 February 2005 (09.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/778,915 13 February 2004 (13.02.2004) US

(71) Applicant *(for all designated States except US)*: **MICROMET AG** [DE/DE]; Staffelseestrasse 2, 81477 München (DE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **PETERS, Malte** [DE/DE]; c/o Micromet AG, Staffelseestrasse 2, 81477 München (DE). **LOCHER, Mathias** [DE/DE]; c/o Micromet AG, Staffelseestrasse 2, 81477 München (DE). **PRANG, Nadja** [DE/DE]; c/o Micromet AG, Staffelseestrasse 2, 81477 München (DE). **QUADT, Cornelia** [DE/DE]; c/o Micromet AG, Staffelseestrasse 2, 81477 München (DE).

(74) Agent: **DEHMEL, Albrecht**; Dehmel & Bettenhausen, Herzogspitalstr. 11, 80331 München (DE).

(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, NA, 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, IS, IT, LT, LU, MC, NL, PL, 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.

WO 2005/080428 A2

(54) Title: ANTI-EPCAM IMMUNOGLOBULINS

(57) Abstract: The invention relates inter alia to a method of treating tumorous disease in a human patient by administering to the patient a human immunoglobulin specifically binding to the human EpCAM antigen, the immunoglobulin exhibiting a serum half-life of at least 15 days, the method comprising the step of administering the immunoglobulin no more frequently than once every week, preferably no more frequently than once every two weeks.