

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/012479 A3

(51) International Patent Classification:

C07K 16/28 (2006.01) **C07H 21/04** (2006.01)
C07K 16/42 (2006.01) **C12N 5/12** (2006.01)
C07K 14/71 (2006.01) **G01N 33/53** (2006.01)
C12P 21/08 (2006.01) **G01N 33/552** (2006.01)
A61K 39/44 (2006.01) **G01N 33/577** (2006.01)
A61K 39/395 (2006.01)

(21) International Application Number:

PCT/US2004/020564

(22) International Filing Date: 25 June 2004 (25.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/483,145 27 June 2003 (27.06.2003) US
60/525,570 26 November 2003 (26.11.2003) US
60/562,453 15 April 2004 (15.04.2004) US

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(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, IT, 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:

- 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

(88) Date of publication of the international search report:

12 October 2006

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: ANTIBODIES DIRECTED TO THE DELETION MUTANTS OF EPIDERMAL GROWTH FACTOR RECEPTOR AND USES THEREOF

(57) Abstract: The present invention relates to novel antibodies, particularly antibodies directed against deletion mutants of epidermal growth factor receptor and particularly to the type III deletion mutant, EGFRvIII. The invention also relates to human monoclonal antibodies directed against deletion mutants of epidermal growth factor receptor and particularly to EGFRvIII. Diagnostic and therapeutic formulations of such antibodies, and immunoconjugates thereof, are also provided.



WO 2005/012479 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/20564

A. CLASSIFICATION OF SUBJECT MATTER IPC: C07K 16/28(2006.01),16/42(2006.01),14/71(2006.01);C12P 21/08(2006.01);A61K 39/44 39/395;C07H 21/04(2006.01);C12N 5/12(2006.01);G01N 33/53(2006.01),33/552(2006.01),33/577(2006.01) USPC: 530/391.1,391.3,391.7,350;424/130.1,134.1,178.1;536/23.53;435/326;436/548 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 530/391.1, 391.3, 391.7, 350; 424/130.1, 134.1, 178.1; 536/23.53; 435/326; 436/548 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MEDLINE, EMBASE, BIOSIS, SCISEARCH, CAPLUS on STN		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 9616988 (WONG et al) 6 June 1996 (06.06.96), especially page 22, page 5, lines 3-5, claim 16, page 15, lines 32-37, page 16, lines 4-20, page 20, lines 4-28).	1-7, 48-64, 82, 91-94 and 100-103
Y	YANG et al, Development of ABX-EGF, a Fully Human Anti-EGF Receptor Monoclonal Antibody, for Cancer Therapy Crit. Rev. Oncol/Hem. April 2001 (04.2001), Vol 38, pages 17-23, especially pages 18, Figure 1.	1-7, 48-64, 82, 91-94, and 100-103
Y	US 6,342,219 B1 (THORPE et al) 29 January 2002 (29.01.2002), column 75, lines 31-50, column 76, lines 30-35.	119-120
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
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Date of the actual completion of the international search 23 July 2006 (23.07.2006)		Date of mailing of the international search report 14 AUG 2006
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer Phuong Huynh Telephone No. (571) 272-1600