

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number  
**WO 2005/055936 A3**

- (51) International Patent Classification<sup>7</sup>: **A61K 39/395**, C07K 16/00, C07H 21/04
- (21) International Application Number:  
PCT/US2004/040573
- (22) International Filing Date: 6 December 2004 (06.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/526,572 4 December 2003 (04.12.2003) US  
60/531,688 23 December 2003 (23.12.2003) 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, 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:**  
— 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:  
3 November 2005
- 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: METHODS OF KILLING TUMOR CELLS BY TARGETING INTERNAL ANTIGENS EXPOSED ON APOPTOTIC TUMOR CELLS

(57) Abstract: The invention provides in vitro and in vivo methods of killing cancer cells, including therapeutic methods in humans, and also provides antibodies specific for the cancer specific antigen C35, and polynucleotides encoding such antibodies, as well as therapeutic and diagnostic methods of using such antibodies.

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**INTERNATIONAL SEARCH REPORT**

International Application No.

PCT/US04/0573

**A. CLASSIFICATION OF SUBJECT MATTER.**

IPC(7) : A61K 39/395; C07K 16/00; C07H 21/04  
 US CL : 424/130.1, 133.1, 155.1; 530/387.1, 387.3, 388.8; 536/23.53

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. : 424/130.1, 133.1, 155.1; 530/387.1, 387.3, 388.8; 536/23.53

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)  
 Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0155447 A1 (ZAUDERER et al) 24 October 2002 (24.10.2002), see entire document, especially pages 53-59.	42-43, 45-47
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Y		24-25, 28-41, 48-50

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
 01 August 2005 (01.08.2005)

Date of mailing of the international search report  
 06 SEP 2005

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US04/40573

Continuation of B. FIELDS SEARCHED Item 3:

WEST, Medline, Cancerlit, Biosis, biotechno, sequence databases including geneseq, issued patents, published applications, PIR 70, Uniprot 03.

Search terms: SEQ ID numbers, C35, 1B3G, 1B3K, 1F2G, 1F2K, H0009, L0010, bispecific antibody, diabody, CH2 deleted antibody, inventor search.