

Title (en)
A NOVEL FAMILY OF HIGH AFFINITY, MODIFIED ANTIBODIES FOR CANCER TREATMENT

Publication
EP 0397821 A4 19920318 (EN)

Application
EP 89911974 A 19891004

Priority
US 25994388 A 19881019

Abstract (en)
[origin: EP0365997A2] This invention concerns a family of chimeric antibodies with high affinities to a high molecular weight, tumor-associated sialylated glycoprotein antigen (TAG72) of human origin. These antibodies have (1) high affinity animal VH and VL sequences which mediate TAG-72 binding and (2) human CH and CL regions. They are thought to produce significantly fewer side-effects when administered to human patients by virtue of their human CH and CL antibody domains. The nucleotide and amino acid sequences of VH alpha TAG VH, CC46 VH, CC49H, CC83 VH, and CC92 VH, and CC49L, CC83 VL, and CC92 VL idiotype sequences are disclosed, as well as in vivo methods of treatment and diagnostic assay using these chimeric antibodies.

IPC 1-7
A61K 37/04; **A61K 39/00**; **A61K 39/395**; **A61K 39/44**; **C07H 15/12**; **C07H 17/00**

IPC 8 full level
G01N 33/574 (2006.01); **A61K 31/495** (2006.01); **A61K 31/70** (2006.01); **A61K 38/00** (2006.01); **A61K 39/395** (2006.01); **A61K 45/00** (2006.01); **A61K 47/48** (2006.01); **A61K 51/00** (2006.01); **A61K 51/10** (2006.01); **A61P 35/00** (2006.01); **C07H 21/04** (2006.01); **C07K 14/00** (2006.01); **C07K 16/00** (2006.01); **C07K 16/30** (2006.01); **C07K 16/46** (2006.01); **C07K 19/00** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/13** (2006.01); **C12P 21/00** (2006.01); **C12P 21/08** (2006.01); **G01N 33/531** (2006.01); **G01N 33/577** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP KR)
A61K 39/395 (2013.01 - KR); **A61K 47/6877** (2017.07 - EP); **A61K 51/00** (2013.01 - KR); **A61K 51/1087** (2013.01 - EP); **A61P 35/00** (2017.12 - EP); **C07K 16/30** (2013.01 - EP); **C07K 16/462** (2013.01 - EP); **C12N 15/11** (2013.01 - KR); **A61K 38/00** (2013.01 - EP); **A61K 2123/00** (2013.01 - EP); **C07K 2317/24** (2013.01 - EP); **C07K 2319/00** (2013.01 - EP); **C07K 2319/30** (2013.01 - EP)

Citation (search report)
• [XP] WO 8901783 A2 19890309 - CELLTECH LTD [GB]
• [XD] CHEMICAL ABSTRACTS, vol. 110, no. 13, 27th March 1989, page 546, abstract no. 113055e, Columbus, Ohio, US; & US-A-73 685 (UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES) 01-03-1988
• See references of WO 9004410A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0365997 A2 19900502; **EP 0365997 A3 19920304**; **EP 0365997 B1 19940914**; AR 242434 A1 19930331; AT E111519 T1 19940915; AU 4354089 A 19900426; AU 4429989 A 19900514; AU 633026 B2 19930121; BR 8907126 A 19910213; CA 2000913 A1 19900419; CA 2000913 C 19990216; DE 68918217 D1 19941020; DE 68918217 T2 19950209; DK 149990 A 19900817; DK 149990 D0 19900619; DK 173089 B1 20000110; EP 0397821 A1 19901122; EP 0397821 A4 19920318; ES 2059670 T3 19941116; FI 103181 B1 19990514; FI 103181 B 19990514; FI 903056 A0 19900618; HK 162795 A 19951027; HU 218093 B 20000528; HU 896255 D0 19910930; HU T56878 A 19911028; IE 64966 B1 19950920; IE 893347 L 19900419; IL 92037 A0 19900712; IL 92037 A 19980310; JP 2935520 B2 19990816; JP H03502889 A 19910704; KR 0161525 B1 19981201; KR 900701302 A 19901201; NO 301075 B1 19970908; NO 902696 D0 19900618; NO 902696 L 19900816; NZ 231012 A 19930225; PT 92013 A 19900430; PT 92013 B 19950706; WO 9004410 A1 19900503; ZA 897858 B 19910626

DOCDB simple family (application)
EP 89119361 A 19891018; AR 31521389 A 19891019; AT 89119361 T 19891018; AU 4354089 A 19891019; AU 4429989 A 19891004; BR 8907126 A 19891004; CA 2000913 A 19891018; DE 68918217 T 19891018; DK 149990 A 19900619; EP 89911974 A 19891004; ES 89119361 T 19891018; FI 903056 A 19900618; HK 162795 A 19951019; HU 625589 A 19891004; IE 334789 A 19891018; IL 9203789 A 19891018; JP 51112789 A 19891004; KR 900701297 A 19900618; NO 902696 A 19900618; NZ 23101289 A 19891013; PT 9201389 A 19891017; US 8904402 W 19891004; ZA 897858 A 19891017