

Title (en)
METHODS AND COMPOSITIONS FOR THE IDENTIFICATION OF GROWTH FACTOR MIMETICS, GROWTH FACTORS AND INHIBITORS

Title (de)
VERFAHREN UND ZUSAMMENSETZUNGEN FÜR DIE IDENTIFIZIERUNG VON WACHSTUMSFAKTOREN MIMETIKA,
WACHSTUMSFAKTOREN UND INHIBITOREN

Title (fr)
PROCEDES ET COMPOSITIONS D'IDENTIFICATION DE SUBSTANCES MIMETIQUES DE FACTEURS DE CROISSANCE, DE FACTEURS DE
CROISSANCE ET D'INHIBITEURS

Publication
EP 1047942 A4 20021030 (EN)

Application
EP 99903279 A 19990122

Priority

- US 9901331 W 19990122
- US 7225398 P 19980123

Abstract (en)
[origin: WO9938008A1] Method to identify agonist or inhibitory antibodies to receptors involved in cellular proliferation, differentiation, survival or activation comprising the steps of immunizing an animal with stem/progenitor cells having surface molecules comprising the receptors, so as to generate a plurality of cells expressing one or more antibodies to the surface molecules, creating a library from the plurality of cells, comprising nucleic acid sequences encoding the antibodies, cloning the nucleic acid sequences from the library into surface display vectors so that the antibodies are surface displayed, and screening the surface displayed antibodies using target cells to identify agonist or inhibitory antibodies to the receptors.

IPC 1-7
G01N 33/53; **G01N 33/536**; **C12N 15/63**; **C12Q 1/68**; **C07H 21/04**

IPC 8 full level
G01N 33/53 (2006.01); **C07H 21/04** (2006.01); **C07K 16/18** (2006.01); **C07K 16/28** (2006.01); **C12N 15/09** (2006.01); **C12N 15/10** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/68** (2006.01); **C40B 20/04** (2006.01); **C40B 30/04** (2006.01); **C40B 40/02** (2006.01); **G01N 33/566** (2006.01); **G01N 33/569** (2006.01); **G01N 33/74** (2006.01)

CPC (source: EP)
C07K 16/2863 (2013.01); **C12N 15/1037** (2013.01); **C40B 40/02** (2013.01); **G01N 33/56972** (2013.01); **G01N 33/74** (2013.01); **C07K 2317/55** (2013.01); **C07K 2317/622** (2013.01); **G01N 2500/00** (2013.01)

Citation (search report)

- [X] WO 9527062 A1 19951012 - GENENTECH INC [US]
- [X] HUANG Y-W ET AL: "A MONOCLONAL ANTI-HUMAN IL-6 RECEPTOR ANTIBODY INHIBITS THE PROLIFERATION OF HUMAN MYELOMA CELLS", HYBRIDOMA, LIEBERT, NEW YORK, NY, US, vol. 5, no. 12, October 1993 (1993-10-01), pages 621 - 630, XP001069958, ISSN: 0272-457X
- [AD] KRUIF DE J ET AL: "SELECTION AND APPLICATION OF HUMAN SINGLE CHAIN FV ANTIBODY FRAGMENTS FROM A SEMI-SYNTHETIC PHAGE ANTIBODY DISPLAY LIBRARY WITH DESIGNED CDR3 REGIONS", JOURNAL OF MOLECULAR BIOLOGY, LONDON, GB, vol. 248, no. 1, 21 April 1995 (1995-04-21), pages 97 - 105, XP000646544, ISSN: 0022-2836
- [PX] NISHIDA Y ET AL: "CLONING AND EXPRESSION OF A SINGLE-CHAIN FV FRAGMENT SPECIFIC FOR THE HUMAN INTERLEUKIN 18 RECEPTOR", HYBRIDOMA, LIEBERT, NEW YORK, NY, US, vol. 17, no. 6, December 1998 (1998-12-01), pages 577 - 580, XP000973543, ISSN: 0272-457X
- See references of WO 9938008A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9938008 A1 19990729; AU 2333999 A 19990809; CA 2316755 A1 19990729; CA 2316755 C 20060404; EP 1047942 A1 20001102; EP 1047942 A4 20021030; JP 2003517566 A 20030527; JP 2004123695 A 20040422; JP 3515072 B2 20040405

DOCDB simple family (application)
US 9901331 W 19990122; AU 2333999 A 19990122; CA 2316755 A 19990122; EP 99903279 A 19990122; JP 2000528865 A 19990122; JP 2003086460 A 20030326