

Title (en)
SPECIFIC HUMAN ANTIBODIES FOR SELECTIVE CANCER THERAPY

Title (de)
SPEZIFISCHE HUMANE ANTIKÖRPER FÜR EINE SELEKTIVE KREBSTHERAPIE

Title (fr)
ANTICORPS HUMAINS SPECIFIQUES POUR LA THERAPIE SELECTIVE DU CANCER

Publication
EP 1353937 A2 20031022 (EN)

Application
EP 01994329 A 20011231

Priority
• US 0149440 W 20011231
• US 75118100 A 20001229

Abstract (en)
[origin: WO02059264A2] The present invention is directed to a peptide or polypeptide comprising an Fv molecule, a construct thereof, a fragment of either, or a construct of a fragment having enhanced binding characteristics so as to bind selectively and/or specifically to a target cell in favor of other cells, wherein the binding selectivity or specificity is primarily determined by a first hypervariable region, and wherein the Fv is a scFv or a dsFv, and optionally having one or more tags. The enhanced binding is directed to a substantially exposed and/or over-expressed binding site on or in a target comprising a cell in favor of other cells on or in which the binding site is not substantially available and/or expressed. The invention is further directed to a method for isolating such peptides and polypeptides from a phage display library and to the nucleic acid molecules encoding them. The invention provides for a pharmaceutical composition comprising the peptide or polypeptide and kits for diagnosis and treatment of disease, specifically cancer, most specifically acute myeloid leukemia.

IPC 1-7
C07H 21/04; **C07K 5/00**; **A61K 39/395**; **C12N 15/00**; **G01N 33/53**

IPC 8 full level
C12N 15/09 (2006.01); **A61K 38/00** (2006.01); **A61K 38/02** (2006.01); **A61K 39/395** (2006.01); **A61K 51/00** (2006.01); **A61P 35/00** (2006.01); **C07K 14/47** (2006.01); **C07K 16/18** (2006.01); **C12N 15/13** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP KR)
A61P 35/00 (2017.12 - EP); **C07K 14/472** (2013.01 - EP); **C07K 16/18** (2013.01 - KR); **A61K 38/00** (2013.01 - EP)

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

DOCDB simple family (publication)
WO 02059264 A2 20020801; **WO 02059264 A3 20030306**; AU 2002246737 B2 20070301; BR 0116763 A 20040309; CA 2433227 A1 20020801; CN 100374456 C 20080312; CN 1551886 A 20041201; CZ 20031983 A3 20050713; EP 1353937 A2 20031022; EP 1353937 A4 20050413; HU P0400775 A2 20070502; IL 156690 A0 20040104; JP 2004524023 A 20040812; KR 20030091952 A 20031203; MX PA03005944 A 20050429; NZ 527173 A 20060331; PL 365758 A1 20050110; RU 2003123100 A 20050310; RU 2316564 C2 20080210

DOCDB simple family (application)
US 0149440 W 20011231; AU 2002246737 A 20011231; BR 0116763 A 20011231; CA 2433227 A 20011231; CN 01822885 A 20011231; CZ 20031983 A 20011231; EP 01994329 A 20011231; HU P0400775 A 20011231; IL 15669001 A 20011231; JP 2002559551 A 20011231; KR 20037008885 A 20030630; MX PA03005944 A 20011231; NZ 52717301 A 20011231; PL 36575801 A 20011231; RU 2003123100 A 20011231