

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