

Title (en)  
METHODS FOR SELECTIVELY STIMULATING PROLIFERATION OF T CELLS

Title (de)  
VERFAHREN ZUR SELEKTIVEN ANREGUNG DER T-ZELLPROLIFERATION

Title (fr)  
PROCEDES DE STIMULATION SELECTIVE DE LA PROLIFERATION DES CELLULES T

Publication  
**EP 0764203 A1 19970326 (EN)**

Application  
**EP 95904778 A 19941201**

Priority  
• US 9413782 W 19941201  
• US 25375194 A 19940603  
• US 25396494 A 19940603

Abstract (en)  
[origin: WO9533823A1] Methods for inducing a population of T cells to proliferate by activating the population of T cells and stimulating an accessory molecule on the surface of the T cells with a ligand which binds the accessory molecule are described. T cell proliferation occurs in the absence of exogenous growth factors or accessory cells. T cell activation is accomplished by stimulating the T cell receptor (TCR)/CD3 complex or the CD2 surface protein. To induce proliferation of an activated population of T cells, an accessory molecule on the surface of the T cells, such as CD9 or CD28, is stimulated with a ligand (e.g. monoclonal antibody ES5.2D8) specific for CD9 which binds the accessory molecule. The T cell population expanded by the method of the invention can be genetically transduced and used for immunotherapy or can be used in methods of diagnosis.

IPC 1-7  
**C12N 5/08**; G01N 33/569; A61K 35/14; A61K 48/00; C07K 16/28; C12N 5/20; C07K 14/705

IPC 8 full level  
**G01N 33/53** (2006.01); **A61K 35/14** (2006.01); **A61K 48/00** (2006.01); **A61P 37/04** (2006.01); **C07K 7/06** (2006.01); **C07K 7/08** (2006.01); **C07K 14/705** (2006.01); **C07K 14/725** (2006.01); **C07K 16/28** (2006.01); **C12N 5/0783** (2010.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12P 21/08** (2006.01); **A61K 39/00** (2006.01)

CPC (source: EP)  
**A61P 37/04** (2017.12); **C07K 14/705** (2013.01); **C07K 16/2806** (2013.01); **C07K 16/2809** (2013.01); **C07K 16/2818** (2013.01); **C07K 16/2896** (2013.01); **C12N 5/0636** (2013.01); **A61K 2039/5158** (2013.01); **C07K 2317/34** (2013.01); **C12N 2501/51** (2013.01); **C12N 2501/515** (2013.01); **C12N 2501/599** (2013.01)

Citation (search report)  
See references of WO 9533823A1

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

DOCDB simple family (publication)  
**WO 9533823 A1 19951214**; AU 1333195 A 19960104; AU 4245699 A 19991021; AU 7825401 A 20011213; CA 2191586 A1 19951214; EP 0764203 A1 19970326; JP H10504703 A 19980512

DOCDB simple family (application)  
**US 9413782 W 19941201**; AU 1333195 A 19941201; AU 4245699 A 19990803; AU 7825401 A 20011008; CA 2191586 A 19941201; EP 95904778 A 19941201; JP 50080696 A 19941201