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(11) **EP 1 270 593 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
21.01.2004 Bulletin 2004/04

(43) Date of publication A2:
02.01.2003 Bulletin 2003/01

(21) Application number: **02291525.0**

(22) Date of filing: **19.06.2002**

(51) Int Cl.⁷: **C07K 16/28**, C07K 17/00,
C12N 5/20, C07K 14/705,
G01N 33/68, G01N 33/577,
C12N 5/08, C12N 5/06

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR**
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **19.06.2001 JP 2001184432**

(83) **Declaration under Rule 28(4) EPC (expert
solution)**

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(54) **HSCA-3 antigen and monoclonal antibody which recognizes the antigen**

(57) It is an object to utilize a novel HSCA-3 antigen occurring in immature hemopoietic stem cells and a monoclonal antibody recognizing said antigen in 1) the immunoassay or flow cytometry involving antibody labeling and 2) the isolation and purification of immature hemopoietic stem cells from human bone marrow cells, umbilical cord blood or blood enriched in human hemo-

poietic stem cells by mobilization with G-CSF.

It is directed to a novel HSCA-3 antigen occurring in immature hemopoietic stem cells and to a monoclonal antibody or an immunoreactive fragment thereof which recognizes said antigen.

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EUROPEAN SEARCH REPORT

Application Number
EP 02 29 1525

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 662 512 A (BECTON DICKINSON CO) 12 July 1995 (1995-07-12) * claims 2,3 * * page 10, line 52 - line 53 * * page 10, line 47 - line 48 * * page 3, line 38 - line 49 * * abstract * ---	1,2,5, 10,14,15	C07K16/28 C07K17/00 C12N5/20 C07K14/705 G01N33/68 G01N33/577 C12N5/08 C12N5/06
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X	US 6 127 135 A (ROZLER ELEN ET AL) 3 October 2000 (2000-10-03) * column 4, line 1 - line 42 * * column 5, line 38 - line 40 * * column 5, line 61 - line 62 * * column 9, line 15 - line 23 * * column 9, line 60 - column 10, line 15 * * table 3 * * example 1 * * figures 1-6 * --- -/--	1,2, 5-10,14, 15	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 November 2003	Examiner Irion, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C01)



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MUNICH	17 November 2003	Irion, A	
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EPO FORM 1503 03.02 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT
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EPO FORM P0453

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	HSCA-3抗原和识别抗原的单克隆抗体		
公开(公告)号	EP1270593A3	公开(公告)日	2004-01-21
申请号	EP2002291525	申请日	2002-06-19
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IPC分类号	G01N33/53 C07K14/47 C07K16/18 C07K16/28 C12N5/06 C12N5/08 C12N5/10 C12N5/20 C12N15/02 C12P21/08 C12R1/91 G01N33/532 G01N33/563 G01N33/566 G01N33/569 G01N33/577 C07K14/705 C07K17/00 G01N33/68		
CPC分类号	C07K16/28 C07K14/47 G01N33/56966		
代理机构(译)	休伯特PHILIPPE		
优先权	2001184432 2001-06-19 JP		
其他公开文献	EP1270593A2		
外部链接	Espacenet		

摘要(译)

本发明的目的是利用在未成熟的造血干细胞中发生的新型HSCA-3抗原和识别所述抗原的单克隆抗体1)免疫测定或涉及抗体标记的流式细胞术和2)从人中分离和纯化未成熟的造血干细胞。用G-CSF动员骨髓细胞,脐带血或富含人造血干细胞的血液。它涉及在未成熟的造血干细胞中发生的新型HSCA-3抗原和识别所述抗原的单克隆抗体或其免疫反应性片段。

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