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(54) Title: MOUSE  $\lambda$  LIGHT CHAIN LOCUS

(57) Abstract: The present invention provides in a first aspect a mouse in which the  $\lambda$  (lambda) light chain locus has been functionally silenced. In one embodiment, the mouse  $\lambda$  light chain locus was functionally silenced by deletion of gene segments coding for the  $\lambda$  light chain locus. In a further aspect, a mouse containing functionally silenced  $\lambda$  and  $\kappa$  (kappa) L chain loci was produced. The invention is useful for the production of antibodies, for example heterologous antibodies, including heavy chain only antibodies.

INTERNATIONAL SEARCH REPORT

International Application No  
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C12N15/13 A01K67/027 C07K16/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) BIOSIS, EPO-Internal, CHEM ABS Data, WPI Data, PAJ, EMBASE		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 24884 A (GENPHARM INT) 11 June 1998 (1998-06-11) page 1, line 7 - line 20 page 4, line 12 -page 6, line 7 page 6, line 15 -page 13, line 8 page 101, line 17 - line 28 page 200, line 19 -page 202, line 21 page 215, line 25 -page 228, line 27 figures 57,58 ---	1-24
X	WO 94 02602 A (CELL GENESYS INC) 3 February 1994 (1994-02-03) page 2, line 23 -page 4, line 10 page 6, line 3 - line 34 page 10, paragraph 3 -page 12, line 23 page 14, line 33 -page 16, line 36 page 20, line 36 -page 22, line 6 page 73, line 15 -page 75, line 32 --- -/--	15-17
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.
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A	<p>MILLER J ET AL: "STRUCTURAL ALTERATIONS  IN J REGIONS OF MOUSE IMMUNOGLOBULIN  LAMBDA GENES ARE ASSOCIATED WITH  DIFFERENTIAL GENE EXPRESSION"  NATURE, MACMILLAN JOURNALS LTD. LONDON,  GB,  vol. 295, 4 February 1982 (1982-02-04),  pages 428-430, XP001093938  ISSN: 0028-0836</p>	
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