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(54) Title: AMNION-DERIVED CELL COMPOSITIONS, METHODS OF MAKING AND USES THEREOF

(57) Abstract: The invention is directed to substantially purified amnion-derived cell populations, compositions comprising the substantially purified amnion-derived cell populations, and to methods of creating such substantially purified amnion-derived cell populations, as well as methods of use. The invention is further directed to antibodies, in particular, monoclonal antibodies, that bind to amnion-derived cells or, alternatively, to one or more amnion-derived cell surface protein markers. The invention is further directed to methods for producing the antibodies, methods for using the antibodies, and kits comprising the antibodies.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/11392

A. CLASSIFICATION OF SUBJECT MATTER

IPC: C12N 5/00(2006.01)

USPC: 435/325

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/325

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 practicable, search terms used)
EAST-amnion, DC90, CD117, CD29

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/0235563 A1 (STROM et al.) 25 December 2003 (25.12.2003), whole document.	1-9,40
A	US 2004/0161419 A1 (STROM et al.) 19 April 2004 (19.04.2004), whole document.	1-9,40
A	US 2005/0058631 A1 (KIHM et al.) 17 March 2005 (17.03.2005), whole document.	1-9,40
A	US 2005/0124003 A1 (ATALA et al.) 09 June 2005 (09.06.2005), whole document.	1-9,40
A	US 2005/0054093 A1 (HAAS) 10 March 2005 (10.03.2005), whole document.	1-9,40

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"E" earlier application or patent published on or after the international filing date

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.: 10-39
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
 2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
 - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
 - No protest accompanied the payment of additional search fees.