Title: PANCREATIC CANCER ASSOCIATED ANTIGEN, ANTIBODY THEREETO, AND DIAGNOSTIC AND TREATMENT METHODS

Abstract: The present invention is directed to an antigen found on the surface of rat and human pancreatic cancer cells and provides antibodies of high specificity and selectivity to this antigen as well as hybridomas secreting the subject antibodies. Methods for both the diagnosis and treatment of pancreatic cancer are also provided. This tissue marker of pancreatic adenocarcinoma, an approximately 43.5 kD surface membrane protein designated PaCa-AgI, is completely unexpressed in normal pancreas but abundantly expressed in pancreatic carcinoma cells. Moreover, a soluble form of PaCa-AgI exists, having a molecular weight about 36 to about 38 kD, that is readily identified in sera and other body fluids of pancreatic cancer patients, using a subject antibody.
INTERNATIONAL SEARCH REPORT

INTERNATIONAL APPLICATION NO.
PCT/US2004/01196

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : A61K 39/00, 39/38, 39/02; A61K 38/00; C07K 1/00, 2/00, 4/00, 5/00, 7/00, 14/00, 16/00, 17/00
US CL : 424/184.1, 185.1, 236.1; 530/300, 350, 385, 386, 387.1, 387.7, 387.9; 436/64, 86
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. : 424/184.1, 185.1, 236.1; 530/300, 350, 385, 386, 387.1, 387.7, 387.9; 436/64, 86

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database consulted during the international search (name of data base and, where practicable, search terms used)
MEDLINE, WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>WO 2004/065547 A2 (MICHL et al) 05 August 2004 (05.08.2004), see entire document</td>
<td>1-24</td>
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☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
“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
“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
“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

Date of the actual completion of the international search
03 March 2005 (03.03.2005)

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Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230

Authorized officer
Alana M. Harris, Ph.D.
Telephone No. 571-272-1600

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