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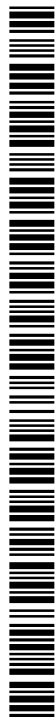
— with international search report

(88) Date of publication of the international search report:
29 June 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMMUNOSTIMULATORY COMPOSITIONS AND USES THEREOF

(57) Abstract: The present invention provides novel immuno-stimulatory polypeptides, and methods for their use and identification.



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INTERNATIONAL SEARCH REPORT

Internati Application No
PCT/US2005/003766

A. CLASSIFICATION OF SUBJECT MATTER
INV. C07K14/57 G01N33/68 A61K38/21 A61K39/00 C12N15/23
C12N15/63

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)
C07K G01N A61K 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)

EPO-Internal, Sequence Search, CHEM ABS Data, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 551 795 B1 (RUBENFIELD MARC J ET AL) 22 April 2003 (2003-04-22) column 1 - column 2; sequence 27024 -& DATABASE PSIPS [Online] USPTO; SEQ ID NO: 27024 for US6551795 18 October 2005 (2005-10-18), XP002349772 retrieved from HTTP://SEQDATA.USPTO.GOV/?PAGEREQUEST=VIEW SEQUENCE&DOCID=06551795&SEQID=27024 abstract	1,14-32
A	WO 02/058589 A (NORTHEASTERN OHIO UNIVERSITIES COLLEGE OF MEDICINE; SCHNEIDER, GARY, B) 1 August 2002 (2002-08-01) page 4 - page 5; claims 1-3,5,9-11; figure 1	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "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)
- "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

- "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.
- "&" document member of the same patent family

Date of the actual completion of the international search

18 October 2005

Date of mailing of the international search report

05. 04. 2006

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INTERNATIONAL SEARCH REPORT

Internati Application No
PCT/US2005/003766

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96/40903 A (YAMAMOTO, NOBUTO) 19 December 1996 (1996-12-19) page 3 - page 6 -----	
A	US 5 641 747 A (POPOFF ET AL) 24 June 1997 (1997-06-24) the whole document -----	
A	WO 00/31130 A (BIO MERIEUX) 2 June 2000 (2000-06-02) page 5; claims 1,23; sequence 17 -----	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2005/003766

Box 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:

Although claims 18 to 32 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
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.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box 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:

see additional sheet

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 an additional fee, this Authority did not invite payment of any additional fee.
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.:

1-4 completely and 14-32 partially

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4 (completely) and 14-32 (partially)

polypeptides according to formula 1, related compositions, expression vectors, host cells and methods

2. claims: 5,6 (completely) and 14-32 (partially)

polypeptides according to formula 2, related compositions, expression vectors, host cells and methods

3. claims: 7,8 (completely) and 14-32 (partially)

polypeptides according to formula 3, related compositions, expression vectors, host cells and methods

4. claims: 9,10 (completely) and 14-32 (partially)

polypeptides competing with free GalNAc for binding to a GalNAc-specific lectin, related compositions, expression vectors, host cells and methods

5. claims: 11-13 (completely) and 14-32 (partially)

polypeptides competing with one or more polypeptides according to SEQ ID NOs: 1-23,29,31-33, and 36-45 for binding to a GalNAc-specific lectin, related compositions, expression vectors, host cells and methods

6. claims: 33-37

method for identifying a GalNAc-polypeptide mimetic

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internati	Application No
	PCT/US2005/003766

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6551795	B1	22-04-2003	NONE	
WO 02058589	A	01-08-2002	CA 2426154 A1 EP 1347953 A2	01-08-2002 01-10-2003
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US 5641747	A	24-06-1997	NONE	
WO 0031130	A	02-06-2000	CA 2354152 A1 EP 1131345 A1	02-06-2000 12-09-2001