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patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International Application No

PC1, US 00/32716

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/12 C07K14/47 C07K16/18 C12Q1/68 G01N33/53
G01N33/68

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)

IPC 7 C07K 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, BIOSIS, EMBL, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL [Online] 11 December 1998 (1998-12-11) ROBERT STRAUSBERG: "tb24e03.x1 NCI CGAP Kid12 Homo sapiens cDNA clone IMAGE:2055292 3'" retrieved from EBI Database accession no. AI307612 XP002165363 abstract --- -/--	1,8

☒ 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

19 April 2001

Date of mailing of the international search report

20.07.01

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PC1,US 00/32716

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SRINIVASULA SRINIVASA M ET AL: "CLAP, a novel caspase recruitment domain-containing protein in the tumor necrosis factor receptor pathway, regulates NF-kappaB activation and apoptosis." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 25, 18 June 1999 (1999-06-18), pages 17946-17954, XP002165361 ISSN: 0021-9258 cited in the application the whole document ---	1-12
A	HOFMANN K ET AL: "The CARD domain: a new apoptotic signalling motif" TIBS TRENDS IN BIOCHEMICAL SCIENCES, EN, ELSEVIER PUBLICATION, CAMBRIDGE, vol. 22, no. 5, 1 May 1997 (1997-05-01), pages 155-156, XP004061753 ISSN: 0968-0004 the whole document ---	1-12
A	WO 99 40102 A (BERTIN JOHN ;MILLENNIUM PHARM INC (US)) 12 August 1999 (1999-08-12) abstract; claims 1-21 ---	1-19
P,X	WO 00 58473 A (CURAGEN CORP ;LEACH MARTIN (US); SHIMKETS RICHARD A (US)) 5 October 2000 (2000-10-05) abstract; claims 1-32; figures SEQ.1965,1662,1661 ---	1-19
T	BERTIN JOHN ET AL: "CARD9 is a novel caspase recruitment domain-containing protein that interacts with BCL10/CLAP and activates NF-kappaB." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 275, no. 52, 29 December 2000 (2000-12-29), pages 41082-41086, XP002165362 ISSN: 0021-9258 the whole document -----	1-12

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/32716

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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.: 15
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:
see FURTHER INFORMATION sheet PCT/ISA/210

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 II Observations where unity of invention is lacking (Continuation of item 2 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.:
1-19 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: 1-19 partially

CARD-9 polypeptides with amino acid sequence with seq.id.2,5 and corresponding nucleotide sequence with seq.id.1,3,4,6 ,host cell ,non human mammalian host cell ,antibody , method of producing a polypeptide , method of detecting a polypeptide or nucleic acid molecule , a kit comprising a binding polypeptide or hybridizing compound , method of identifying a binding compound .

2. Claims: 1-19 partially

CARD-10 polypeptides with amino acid sequence with seq.id.8 and corresponding nucleotide sequence with seq.id.7,9 ,host cell ,non human mammalian host cell ,antibody , method of producing a polypeptide , method of detecting a polypeptide or nucleic acid molecule , a kit comprising a binding polypeptide or hybridizing compound , method of identifying a binding compound .

3. Claims: 1-19 partially

CARD-11 polypeptides with amino acid sequence with seq.id.11 and corresponding nucleotide sequence with seq.id.10,12 , host cell ,non human mammalian host cell ,antibody , method of producing a polypeptide , method of detecting a polypeptide or nucleic acid molecule , a kit comprising a binding polypeptide or hybridizing compound , method of identifying a binding compound .

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 15

Claim 15 relating to binding compounds to the polypeptide of claim 8 could not be searched as its subject-matter was insufficiently disclosed .

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/32716

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9940102 A	12-08-1999	US 6033855 A	07-03-2000
		AU 2588199 A	23-08-1999
		EP 1068217 A	17-01-2001

WO 0058473 A	05-10-2000	AU 3774500 A	16-10-2000
