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[Continued on next page]

(54) Title: HUMAN CYTOKINE AS LIGAND OF THE ZALPHA RECEPTOR AND USES THEREOF

	1	15 16	30 31	45 46	60 61	75 76	90
hIL-2	-----	-----	-----	-----	-----	-----	-----
hIL-15	-----	-----	-----	-----	-----	-----	-----
zα11-Lig	-----	-----	-----	-----	-----	-----	-----
hIL-4	-----	-----	-----	-----	-----	-----	-----
mIL-4	-----	-----	-----	-----	-----	-----	-----
hGM-CSF	-----	-----	-----	-----	-----	-----	-----
mGM-CSF	-----	-----	-----	-----	-----	-----	-----
hIL-2	91	105 106	120 121	135 136	150 151	165 166	180
hIL-15	-----	-----	-----	-----	-----	-----	-----
zα11-Lig	-----	-----	-----	-----	-----	-----	-----
hIL-4	-----	-----	-----	-----	-----	-----	-----
mIL-4	-----	-----	-----	-----	-----	-----	-----
hGM-CSF	-----	-----	-----	-----	-----	-----	-----
mGM-CSF	-----	-----	-----	-----	-----	-----	-----
hIL-2	ITFCQSIISTL	132					
hIL-15	VHIVQMFINTS1	134					
zα11-Lig	KSLLQKMIHQHLSR	THGSEDS	136				
hIL-4	KTIMREKYSKCSS	129					
mIL-4	KSIMQMOYS	120					
hGM-CSF	KDFLLVIPFDC--WE	119					
mGM-CSF	KFTLTDIPFEC--KK	PSQK	118				

(57) Abstract: The present invention relates to zα11 Ligand polynucleotide and polypeptide molecules. The zα11 Ligand is a novel cytokine. The polypeptides may be used within methods for stimulating the proliferation and/or development of hematopoietic cells *in vitro* and *in vivo*. The present invention also includes methods for producing the protein, uses therefor and antibodies thereto.

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PCT/US 00/06067

A. CLASSIFICATION OF SUBJECT MATTER

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C12Q1/68 G01N33/68 A61K38/19

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 C12N C07K C12Q G01N A61K

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, WPI Data, PAJ, STRAND

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EMBL Database, Heidelberg, FRG Emest_Rod1 accession number AA764063 28 January 1998 MARRA, M. ET AL.: "vw09e02.r1 Soares 2NbMT Mus musculus cDNA clone IMAGE:1243322 5', mRNA sequence" XP002145351 the whole document --- -/--	6-8, 16, 18

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *G* document member of the same patent family

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/06067

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^o	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	PARRISH, J. ET AL.: "Cloning, expression analysis, genomic localization, and functional characterization of a novel Class I cytokine receptor expressed in cells of lymphoid origin" AMERICAN JOURNAL OF HUMAN GENETICS, vol. 65, no. 4, 19 October 1999 (1999-10-19), page A378 XP000881702 Abstract NO: 2135 the whole document -----	1-43