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(54) Title: LECTIN COMPOSITIONS AND METHODS FOR MODULATING AN IMMUNE RESPONSE TO AN ANTIGEN

(57) Abstract: The present invention provides a fusion polypeptide which can bind to a cell surface binding moiety (e.g., a carbohydrate) and server as a ligand for a cell surface polypeptide, as well as a vector comprising a nucleic acid encoding for such a fusion polypeptide, and a host cell comprising such nucleic acid. The present invention also provides a composition comprising an antigen bearing target and such a fusion polypeptide, as well as a composition comprising a virus or a cell and such a fusion polypeptide. The present invention further relates to a method of modulating an immune response in an animal using such compositions.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61K 39/00(2006.01),39/12(2006.01),39/145(2006.01),39/145(2006.01);C07K 1/00(2006.01),C12Q 1/68,C12P 21/06

USPC: 530/300,350;424/192.1,204.1,206.1,210.1,435/6,69.1

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. : 530/300, 350; 424/192.1, 204.1, 206.1, 210.1, 435/6,69.1

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 (US-PGPUB; USPAT; EPO; JPO; DERWENT), NCBI PUBMED

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,866,131 A (RAMSHAW et al.) 02 February 1999 (02.02.1999), entire document.	1-638
A	BURBAGE et al. Ricin Fusion Targeted To The Human Granulocyte-Macrophage Colony Stimulating Factor Receptor is Selectively Toxic to Acute Myeloid Leukemia Cells. Leukemia Reserach. 1997, Vol. 21, No. 7,pages 681-690.	1-638



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* 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
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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