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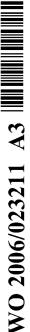
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(54) Title: ANTIGENS TARGETED BY PATHOGENIC AI4 T CELLS IN TYPE 1 DIABETES AND USES THEREOF

(57) Abstract: Provided are oligopeptide antigens to A14-like T cells, and mouse proteins comprising those antigens. The oligopeptide antigens comprise the amino acid sequence XX(I/D/F/L)ENY(I/L)(E/W/Y)(L/M) or VMLENYTHL. Additionally provided are methods for treating a mammal having or at risk for type 1 diabetes using these antigens, or compounds which reduce or eliminate expression of these antigens. Kits comprising these antigens, and methods for determining whether a mammal is at risk for or has type 1 diabetes are also provided.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/26315

A. CLASSIFICATION OF SUBJECT MATTER IPC: A61K 31/7105(2006.01),31/711(2006.01),38/08(2006.01),38/16(2006.01),39/00(2006.01),48/00(2006.01);C07K 7/06(2006.01)				
USPC: 424/93.21,139.1,185.1;435/29,366;514/2,15,44;530/300,328,350;536/23.1 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.: 424/93.21, 139.1, 185.1; 435/29,366; 514/2, 15, 44; 530/300, 328, 350; 536/23.1				
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) Please See Continuation Sheet				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.	
A	US 2002/0132247 A1 (DELANEY ET AL) 19 Septe	ember 2002 (19/09/02), see entire	1-153	
A	document, especially SEQ ID NOS:2 and 3. US 2003/0190323 A1 (COHEN ET AL) 09 October 2003 (09/10/03), see entire document, especially the abstract.			
A	LIEBERMAN et al. Identification of the beta cell as of pathogenic CD8+ T cells in autoimmune diabetes of Science USA. 08 July 2003, Volume 100, Number abstract.	. Proceedings of the National Academy	1-153	
Further	r documents are listed in the continuation of Box C.	See patent family annex.		
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"O" document	t referring to an oral disclosure, use, exhibition or other means	to a person skilled in the art		
priority date claimed				
Date of the actual completion of the international search D		Date of mailing of the international Petr	pn report	
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Facsimile No. (571) 273-3201				

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