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(54) **Composition and method for modulating dendritic Cell-T cell interaction**

(57) The present invention relates to the use of a compound that binds to a C-type lectin on the surface of a dendritic cell, in the preparation of a composition for modulating, in particular reducing, the immune response in an animal, in particular a human or another mammal. The composition in particular modulates the interactions between a dendritic cell and a T-cell, more specifically between a C-type lectin on the surface of a dendritic cell and an ICAM receptor on the surface of a T-cell. The compositions can be used for preventing/inhibiting immune responses to specific antigens, for in-

ducing tolerance, for immunotherapy, for immunosuppression, for the treatment of auto-immune diseases, the treatment of allergy, and/or for inhibiting HIV infection. The compound that binds to a C-type lectin is preferably chosen from mannose, fucose, plant lectins, antibiotics, sugars, proteins or antibodies against C-type lectins. The invention also relates to such antibodies, and to a method for isolating dendritic cells using such antibodies.



DOCUMENTS CONSIDERED TO BE RELEVANT			
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The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 14 July 2005	Examiner Mateo Rosell, A.M.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 04 07 8220

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on the European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-07-2005

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	用于调节树突细胞-T细胞相互作用的组合物和方法		
公开(公告)号	EP1516881A3	公开(公告)日	2005-08-31
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[标]申请(专利权)人(译)	KATHOLIEKE UNIV NIJMEGEN		
申请(专利权)人(译)	奈梅亨天主教大学		
当前申请(专利权)人(译)	奈梅亨天主教大学		
[标]发明人	FIGDOR CARL GUSTAV GEIJTENBEEK TEUNIS BERNARD HERMAN VAN KOOYK YVETTE TORENSMA RUURD		
发明人	FIGDOR, CARL GUSTAV GEIJTENBEEK, TEUNIS BERNARD HERMAN VAN KOOYK, YVETTE TORENSMA, RUURD		
IPC分类号	G01N33/53 A61K31/7004 A61K38/00 A61K39/00 A61K39/395 A61K45/00 A61P3/10 A61P19/02 A61P29/00 A61P35/00 A61P37/02 A61P37/06 A61P37/08 C07K16/28 C12N5/06 C12N5/08 G01N33/574 G01N33/577		
CPC分类号	A61K2039/505 A61K2039/5154 A61P3/10 A61P19/02 A61P29/00 A61P31/00 A61P31/12 A61P31/18 A61P35/00 C07K16/28 C07K16/2851 C07K2317/73		
优先权	1999201204 1999-04-19 EP 60/176924 2000-01-20 US		
其他公开文献	EP1516881B1 EP1516881A2		
外部链接	Espacenet		

摘要(译)

本发明涉及在树突细胞表面上结合C型凝集素的化合物在制备用于调节，特别是减少动物，特别是人的免疫应答的组合物中的用途。或其他哺乳动物。该组合物特别调节树突细胞和T细胞之间的相互作用，更具体地说，调节树突细胞表面上的C型凝集素和T细胞表面上的ICAM受体之间的相互作用。该组合物可用于预防/抑制对特定抗原的免疫应答，诱导耐受性，免疫疗法，免疫抑制，治疗自身免疫疾病，治疗过敏和/或抑制HIV感染。与C型凝集素结合的化合物优选选自甘露糖，岩藻糖，植物凝集素，抗生素，糖，蛋白质或抗C型凝集素的抗体。本发明还涉及此类抗体，以及使用此类抗体分离树突细胞的方法。

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D.X	WO 93/01820 A (SQUIBB BRISTOL MYERS CO) 4 February 1993 (1993-02-04) see Figure 3A; the whole document *	11-13,22	C07K16/28 A61K39/395 C12N5/06
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A	WO 98/28332 A (TAKASHIMA AKIRA; UNIV TEXAS (US); ARIIZUMI KIYOSHI (US)) 2 July 1998 (1998-07-02) * abstract * * page 3, lines 9-30 * * page 4, lines 1-11 * * page 13, line 13 - page 14, line 4 * * page 107, line 17 - page 125, line 4 *	1,2,4	TECHNICAL FIELDS SEARCHED (Int. Cl. 7) C07K
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The present search report has been drawn up for all claims.
Place of search: **Berlin** Date of completion of the search: **14 July 2005** Examiner: **Mateo Roselli, A.M.**

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