

Title (en)

METHOD OF INDUCING MATURATION OF DENDRITIC CELLS AND USES THEREFOR

Title (de)

VERFAHREN ZUR EINLEITUNG DER REIFUNG VON DENDRITISCHEN ZELLEN UND SEINE VERWENDUNGEN

Title (fr)

PROCEDE D'INDUCTION DE MATURATION DE CELLULES DENDRITIQUES ET UTILISATIONS ASSOCIEES

Publication

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Application

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Abstract (en)

[origin: WO2004031276A8] The invention relates to the induction of responses relating to the maturation of dendritic cells, using IL-18 and IL-18 muteins, and compounds, compositions, methods of making and using thereof, including therapeutic methods and products.

IPC 1-7

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IPC 8 full level

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5. **A61K 38/193 + A61K 2300/00**
6. **A61K 38/18 + A61K 2300/00**

Citation (search report)

- [X] WO 0233050 A2 20020425 - MAXIM PHARM INC [US]
- [X] WO 0193898 A1 20011213 - SMITHKLINE BEECHAM CORP [US], et al
- [X] WO 9959565 A1 19991125 - SMITHKLINE BEECHAM CORP [US], et al
- [XY] WO 0185920 A2 20011115 - BAYLOR RES INST [US], et al
- [XY] WO 9945102 A1 19990910 - ROUSSY INST GUSTAVE [FR], et al
- [PX] WO 03012061 A2 20030213 - COLEY PHARM GMBH [DE], et al
- [PLX] WO 03057821 A2 20030717 - CENTOCOR INC [US]
- [E] WO 2004020613 A1 20040311 - ORDER SISTERS OF MERCY QUEENSL [AU], et al
- [XY] EBNER SUSANNE ET AL: "A novel role for IL-3: human monocytes cultured in the presence of IL-3 and IL-4 differentiate into dendritic cells that produce less IL-12 and shift Th cell responses toward a Th2 cytokine pattern.", JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 15 JUN 2002, vol. 168, no. 12, 15 June 2002 (2002-06-15), pages 6199 - 6207, XP002510252, ISSN: 0022-1767
- [XY] LARDON F ET AL: "Generation of dendritic cells from bone marrow progenitors using GM-CSF, TNF-alpha, and additional cytokines: antagonistic effects of IL-4 and IFN-gamma and selective involvement of TNF-alpha receptor-1.", IMMUNOLOGY AUG 1997, vol. 91, no. 4, August 1997 (1997-08-01), pages 553 - 559, XP008100489, ISSN: 0019-2805
- [XY] WEIGEL BRENTA J ET AL: "Comparative analysis of murine marrow-derived dendritic cells generated by Flt3L or GM-CSF/IL-4 and matured with immune stimulatory agents on the in vivo induction of antileukemia responses.", BLOOD 1 DEC 2002, vol. 100, no. 12, 8 August 2002 (2002-08-08), pages 4169 - 4176, XP002510254, ISSN: 0006-4971
- [XY] BRASEL K ET AL: "Generation of murine dendritic cells from flt3-ligand-supplemented bone marrow cultures.", BLOOD 1 NOV 2000, vol. 96, no. 9, 1 November 2000 (2000-11-01), pages 3029 - 3039, XP002510255, ISSN: 0006-4971
- [XY] WESA A K ET AL: "Regulation of T cell cytokine production by dendritic cells generated in vitro from hematopoietic progenitor cells.", CELLULAR IMMUNOLOGY 15 MAR 2001, vol. 208, no. 2, 15 March 2001 (2001-03-15), pages 115 - 124, XP002510256, ISSN: 0008-8749
- [Y] NAKAMURA S ET AL: "Expression and responsiveness of human interleukin-18 receptor (IL-18R) on hematopoietic cell lines.", LEUKEMIA : OFFICIAL JOURNAL OF THE LEUKEMIA SOCIETY OF AMERICA, LEUKEMIA RESEARCH FUND, U.K JUN 2000, vol. 14, no. 6, June 2000 (2000-06-01), pages 1052 - 1059, XP002510257, ISSN: 0887-6924
- [Y] MORELLI A E ET AL: "Cytokine production by mouse myeloid dendritic cells in relation to differentiation and terminal maturation induced by lipopolysaccharide or CD40 ligation.", BLOOD 1 SEP 2001, vol. 98, no. 5, 1 September 2001 (2001-09-01), pages 1512 - 1523, XP002510258, ISSN: 0006-4971
- [Y] HULETTE B C ET AL: "Cytokine induction of a human acute myelogenous leukemia cell line (KG-1) to a CD1a+ dendritic cell phenotype.", ARCHIVES OF DERMATOLOGICAL RESEARCH MAR 2001, vol. 293, no. 3, March 2001 (2001-03-01), pages 147 - 158, XP002510259, ISSN: 0340-3696
- [T] LI JIAN ET AL: "Induction of dendritic cell maturation by IL-18.", CELLULAR IMMUNOLOGY FEB 2004, vol. 227, no. 2, February 2004 (2004-02-01), pages 103 - 108, XP002510260, ISSN: 0008-8749

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