

Title (en)
NUCLEIC ACID VACCINE COMPOSITIONS HAVING A MAMMALIAN CD80/CD86 GENE PROMOTER DRIVING ANTIGEN EXPRESSION, AND A TRANCE CODING SEQUENCE

Title (de)
DNS IMPFSTOFFZUSAMMENSETZUNGEN BASIEREND AUF CD80/CD86 GENPROMOTER-KONTROLLIERTER EXPRESSION DES ANTIGENS, UND AUF EINER FÜR TRANCE KODIERENDEN SEQUENZ

Title (fr)
COMPOSITIONS VACCINALES A BASE D'ACIDES NUCLEIQUES COMPORTANT UN PROMOTEUR DE GENE CD80/CD86 DE MAMMIFERE DIRIGEANT L'EXPRESSION D'UN ANTIGENE, ET UNE SEQUENCE CODANT TRANCE

Publication
EP 1240343 A2 20020918 (EN)

Application
EP 00975544 A 20001101

Priority

- US 0030223 W 20001101
- US 43298399 A 19991103

Abstract (en)
[origin: WO0132204A2] Polynucleotides encoding at least one immunizing antigen whose expression is controlled by a promoter derived from a gene encoding a co-stimulatory molecule are provided. The polynucleotides may also encode adjuvants. Compositions comprising at least one immunizing agent and at least one cytokine that enhance dendritic cell stimulation and/or survival are also provided. Methods for eliciting an immune response against the immunizing agent are also provided. The method includes the steps of administering the polynucleotides and, optionally, co-administering an adjuvant.

IPC 1-7
C12N 15/85; C12N 15/63; C12N 15/28; C12N 15/19; A61K 31/713; C07K 14/705; C07K 14/475; A61K 39/39; A61K 38/19

IPC 8 full level
A61K 9/14 (2006.01); **A61K 38/00** (2006.01); **A61K 39/00** (2006.01); **A61K 39/21** (2006.01); **A61K 39/29** (2006.01); **A61K 39/39** (2006.01); **A61K 47/02** (2006.01); **A61K 48/00** (2006.01); **A61P 31/00** (2006.01); **A61P 31/04** (2006.01); **A61P 31/10** (2006.01); **A61P 31/12** (2006.01); **A61P 35/00** (2006.01); **A61P 37/04** (2006.01); **A61P 37/08** (2006.01); **A61P 43/00** (2006.01); **C07K 14/475** (2006.01); **C07K 14/705** (2006.01); **C12N 15/09** (2006.01); **C12N 15/19** (2006.01); **C12N 15/63** (2006.01); **C12N 15/85** (2006.01)

CPC (source: EP)
A61K 39/12 (2013.01); **A61K 39/21** (2013.01); **A61K 39/292** (2013.01); **A61K 48/00** (2013.01); **A61P 31/00** (2017.12); **A61P 31/04** (2017.12); **A61P 31/10** (2017.12); **A61P 31/12** (2017.12); **A61P 35/00** (2017.12); **A61P 37/04** (2017.12); **A61P 37/08** (2017.12); **A61P 43/00** (2017.12); **C07K 14/475** (2013.01); **C07K 14/70532** (2013.01); **C07K 14/70575** (2013.01); **A61K 38/00** (2013.01); **A61K 2039/53** (2013.01); **A61K 2039/5522** (2013.01); **A61K 2039/57** (2013.01); **C12N 2730/10134** (2013.01); **C12N 2740/15034** (2013.01)

Citation (search report)
See references of WO 0132204A2

Citation (examination)

- ROITT I. ET AL: "Immunology (Fifth edition)", 1998, MOSBY INTERNATIONAL LTD, LONDON
- DATABASE MEDLINE [online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 2004, AFEK ET AL: "Evidence for the involvement of T cell costimulation through the B-7/CD28 pathway in atherosclerotic plaques from apolipoprotein E knockout mice"
- DATABASE MEDLINE [online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 2004, BROWN R. ET AL: "B7+ T cells in myeloma: an acquired marker of prior chronic antigen presentation"
- DATABASE MEDLINE [online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 2003, MATHEU V. ET AL: "Upregulation of B7 molecules (CD80 and CD86) and exacerbated eosinophilic pulmonary inflammatory response in mice lacking the IFN-beta gene"
- DATABASE MEDLINE [online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 2004, TSAI M.K. ET AL: "The role of B7 ligands (CD80 and CD86) in CD152-mediated allograft tolerance: a crosscheck hypothesis"
- DATABASE MEDLINE [online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 2004, ZHENG X. ET AL: "B7-CD28 interaction promotes proliferation and survival but suppresses differentiation of CD4-CD8- T cells in the thymus"

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)
AL LT LV MK RO SI

DOCDB simple family (publication)
WO 0132204 A2 20010510; **WO 0132204 A3 20020725**; AU 1358501 A 20010514; CA 2389680 A1 20010510; EP 1240343 A2 20020918; JP 2004522403 A 20040729

DOCDB simple family (application)
US 0030223 W 20001101; AU 1358501 A 20001101; CA 2389680 A 20001101; EP 00975544 A 20001101; JP 2001534408 A 20001101