

Title (en)
COMPOSITIONS AND METHODS FOR GENE-BASED VACCINES TO PROVOKE T CELL RESPONSES

Title (de)
ZUSAMMENSETZUNGEN UND VERFAHREN FÜR AUF GENEN BASIERENDE VAKZINE ZUM HERVORRUFEN VON T-Zell ANTWORTEN

Title (fr)
COMPOSITIONS ET METHODES POUR PROVOQUER UNE REPONSE DES CELLULES T PAR DES VACCINS A BASE DE GENES

Publication
EP 1064354 A1 20010103 (EN)

Application
EP 99912709 A 19990319

Priority

- US 9906030 W 19990319
- US 7872598 P 19980320

Abstract (en)
[origin: WO9947641A1] This invention provides a polynucleotide encoding an antigen that is processed and presented with an MHC Class I molecule on an antigen-presenting cell (APC) and an antigen that is processed and presented with an MHC Class II molecule on the APC. Compositions containing these polynucleotides are further provided by this invention. Methods of increasing presentation of a peptide on the surface of an APC, and APCs produced by the methods, are further provided. Also provided are diagnostic and immunomodulatory methods using polynucleotides, APCs, and immune effector cells of the invention.

IPC 1-7
C12N 1/21; **C12N 15/11**; **C12N 15/63**; **C12N 15/85**; **C12N 15/86**; **C07K 5/00**; **A61K 38/00**; **A61K 35/00**; **A61K 35/12**; **A61K 48/00**

IPC 8 full level
C12N 15/09 (2006.01); **A61K 31/711** (2006.01); **A61K 35/12** (2006.01); **A61K 38/00** (2006.01); **A61K 39/00** (2006.01); **A61K 48/00** (2006.01); **A61P 37/04** (2006.01); **C07K 5/00** (2006.01); **C07K 14/47** (2006.01); **C12N 1/21** (2006.01); **C12N 5/07** (2010.01); **C12N 5/0783** (2010.01)

CPC (source: EP US)
A61K 39/0011 (2013.01 - US); **A61K 39/001106** (2018.08 - US); **A61K 39/001156** (2018.08 - US); **A61K 39/00117** (2018.08 - US); **A61K 39/001182** (2018.08 - US); **A61K 39/001188** (2018.08 - US); **A61K 39/001191** (2018.08 - US); **A61K 39/001192** (2018.08 - US); **A61K 39/001194** (2018.08 - US); **A61K 39/001195** (2018.08 - US); **A61K 39/4615** (2023.05 - EP); **A61K 39/4622** (2023.05 - EP); **A61K 39/464491** (2023.05 - EP); **A61K 39/464492** (2023.05 - EP); **A61P 37/04** (2018.01 - EP); **C07K 14/4748** (2013.01 - EP); **A61K 2039/51** (2013.01 - EP); **A61K 2039/53** (2013.01 - EP); **A61K 2239/31** (2023.05 - EP); **A61K 2239/38** (2023.05 - EP); **A61K 2239/57** (2023.05 - EP)

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

DOCDB simple family (publication)
WO 9947641 A1 19990923; AU 3102299 A 19991011; CA 2322659 A1 19990923; EP 1064354 A1 20010103; EP 1064354 A4 20020612; JP 2002506633 A 20020305

DOCDB simple family (application)
US 9906030 W 19990319; AU 3102299 A 19990319; CA 2322659 A 19990319; EP 99912709 A 19990319; JP 2000536824 A 19990319