

Title (en)
CANCER ASSOCIATED ANTIGENS AND USES THEREFOR

Title (de)
MIT KREBS VERBUNDENEN ANTIGENEN UND VERWENDUNGEN DAFÜR

Title (fr)
ANTIGENES ASSOCIES AU CANCER ET UTILISATIONS CORRESPONDANTES

Publication
EP 1238281 A2 20020911 (EN)

Application
EP 00982348 A 20001201

Priority

- US 0032750 W 20001201
- US 16835399 P 19991201
- US 55901300 A 20000426

Abstract (en)

[origin: WO0140271A2] Cancer associated antigens have been identified by autologous antibody screening of libraries of nucleic acids expressed in methylcholanthrene-induced fibrosarcoma cancer cells using antisera from mice bearing such tumors. The invention relates to nucleic acids and encoded polypeptides which are cancer associated antigens expressed in mice afflicted with methylcholanthrene-induced fibrosarcomas, as well as homologs thereof, particularly human homologs. The invention provides, *inter alia*, isolated nucleic acid molecules, expression vectors containing those molecules and host cells transfected with those molecules. The invention also provides isolated proteins and peptides, antibodies to those proteins and peptides and cytotoxic T lymphocytes which recognize the proteins and peptides. Fragments of the foregoing including functional fragments and variants also are provided. Kits containing the foregoing molecules additionally are provided. The molecules provided by the invention can be used in the diagnosis, monitoring, research, or treatment of conditions characterized by the expression of one or more cancer associated antigens.

IPC 1-7
G01N 33/574; C12Q 1/68; G01N 33/68; G01N 33/58; A61P 35/00; A61K 39/00; C07K 16/18; A61K 47/48; C12N 15/12; C12N 15/63; C12N 5/10; A61K 39/395; A61K 31/7088

IPC 8 full level
G01N 33/574 (2006.01); **A61K 31/7088** (2006.01); **A61K 35/12** (2006.01); **A61K 35/76** (2006.01); **A61K 38/00** (2006.01); **A61K 39/00** (2006.01); **A61K 39/395** (2006.01); **A61K 45/00** (2006.01); **A61K 45/06** (2006.01); **A61K 48/00** (2006.01); **A61P 35/00** (2006.01); **C07K 14/47** (2006.01); **C07K 14/82** (2006.01); **C07K 16/32** (2006.01); **C12M 1/00** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/577** (2006.01); **G01N 37/00** (2006.01)

CPC (source: EP)
A61K 39/4611 (2023.05); **A61K 39/4644** (2023.05); **A61P 35/00** (2018.01); **C07K 14/4748** (2013.01); **A61K 38/00** (2013.01); **A61K 39/00** (2013.01); **C12Q 1/6886** (2013.01)

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

DOCDB simple family (publication)
WO 0140271 A2 20010607; **WO 0140271 A3 20020418**; **WO 0140271 A9 20020523**; AU 1939601 A 20010612; EP 1238281 A2 20020911; JP 2003516734 A 20030520

DOCDB simple family (application)
US 0032750 W 20001201; AU 1939601 A 20001201; EP 00982348 A 20001201; JP 2001541026 A 20001201