

Title (en)

ATHEROSCLEROTIC PLAQUE SPECIFIC ANTIGENS, ANTIBODIES THERETO, AND USES THEREOF

Publication

**EP 0485476 A4 19930303 (EN)**

Application

**EP 90912266 A 19900731**

Priority

US 38812989 A 19890731

Abstract (en)

[origin: WO9102252A1] This invention provides purified antigens which are indicative of the presence of atherosclerotic plaque. Different concentrations of these antigens have been found to coincide with the progression of atherosclerosis. The subject invention also provides different hybridoma cell lines which produce monoclonal antibodies directed to antigens associated with atherosclerosis and a hybridoma cell line which produces monoclonal antibodies directed to antigen associated with normal artery and not with plaque. The atherosclerotic plaque antigen, and monoclonal antibodies made thereto, are used in various methods for detecting in a biological sample an antigen present in, and indicative of the presence of, atherosclerotic plaque.

IPC 1-7

**G01N 33/567**; **G01N 33/531**; **G01N 33/532**; **G01N 33/543**; **C12Q 1/00**; **C12Q 1/28**; **C12Q 1/42**; **A61K 43/00**

IPC 8 full level

**A61K 39/00** (2006.01); **A61K 39/395** (2006.01); **A61K 41/00** (2006.01); **A61K 47/48** (2006.01); **A61K 49/00** (2006.01); **A61P 9/10** (2006.01); **C07K 14/435** (2006.01); **C07K 14/47** (2006.01); **C07K 14/78** (2006.01); **C07K 16/00** (2006.01); **C07K 16/18** (2006.01); **C07K 16/46** (2006.01); **C07K 19/00** (2006.01); **C12N 5/10** (2006.01); **C12N 15/02** (2006.01); **C12P 19/04** (2006.01); **C12P 21/08** (2006.01); **G01N 33/53** (2006.01); **G01N 33/577** (2006.01); **G01N 33/92** (2006.01); **A61K 38/00** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)

**A61K 41/0057** (2013.01); **A61K 41/0071** (2013.01); **A61K 47/6815** (2017.07); **A61K 47/6843** (2017.07); **A61K 47/6879** (2017.07); **A61P 9/10** (2017.12); **C07K 14/47** (2013.01); **C07K 14/78** (2013.01); **C07K 16/18** (2013.01); **C07K 16/468** (2013.01); **G01N 33/92** (2013.01); **A61K 38/00** (2013.01); **G01N 2800/323** (2013.01)

Citation (search report)

- [A] EP 0293524 A1 19881207 - VASOCOR [US]
- [AP] EP 0334076 A2 19890927 - TAKANO TATSUYA [JP], et al
- [AP] WO 9005748 A1 19900531 - MASSACHUSETTS INST TECHNOLOGY [US]
- See references of WO 9102252A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 9102252 A1 19910221**; AU 6164290 A 19910311; CA 2060663 A1 19910201; EP 0485476 A1 19920520; EP 0485476 A4 19930303; JP H05500307 A 19930128

DOCDB simple family (application)

**US 9004272 W 19900731**; AU 6164290 A 19900731; CA 2060663 A 19900731; EP 90912266 A 19900731; JP 51154090 A 19900731