

Title (en)

METHOD TO TREAT RHEUMATOID ARTHRITIS

Publication

EP 0474764 A4 19921119 (EN)

Application

EP 90909247 A 19900531

Priority

US 35978289 A 19890531

Abstract (en)

[origin: WO9014835A1] Subjects may be immunized against rheumatoid arthritis by administering the peptide Q(K/R)RAA in immunogenic form in a protocol leading to preferential expansion of suppressor and/or cytotoxic T-cells rather than helper T-cells. This preferential expansion can be effected by administration of interleukin-6 and/or cyclosporin A. Alternatively, the Q(K/R)RAA peptide coupled to the invariant region of a Class I histocompatibility sequence may be administered. Also disclosed are pharmaceutical compositions useful in the vaccination protocols.

IPC 1-7

A61K 37/02; A61K 37/66; A61K 39/395; A61K 39/39; A61K 39/00

IPC 8 full level

A61K 38/00 (2006.01); **A61K 39/00** (2006.01); **A61K 39/12** (2006.01); **A61P 29/00** (2006.01); **A61P 37/00** (2006.01); **C07K 14/74** (2006.01); **C07K 16/28** (2006.01); **C07K 19/00** (2006.01)

CPC (source: EP)

A61K 39/0008 (2013.01); **A61P 29/00** (2017.12); **A61P 37/00** (2017.12); **C07K 14/70539** (2013.01); **C07K 16/2812** (2013.01); **C07K 19/00** (2013.01); **A61K 2039/55527** (2013.01); **A61K 2039/605** (2013.01)

Citation (search report)

- [A] GB 2004744 A 19790411 - SANDERSON A R
- [A] WO 8001986 A1 19801002 - SANDERSON A
- [A] EP 0286447 A2 19881012 - UNIV LELAND STANFORD JUNIOR [US]
- [A] PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES USA, vol. 82, August 1985, pages 5165-5169; T. SPIES et al.: "Structural organization of the DR subregion of the human major histocompatibility complex"
- [A] THE JOURNAL OF IMMUNOLOGY, vol. 142, no. 5, 15th March 1989, pages 1743-1747, The American Association of Immunologists, Baltimore, US; H.-T. KAO et al.: "Molecular analysis of the HLA class II genes in two DRw6- related haplotypes, DRw13 DQw1 and DRw14 DQw3"
- [T] PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES USA, vol. 86, July 1989, pages 5104-5108, US; J. ROUDIER et al.: "Susceptibility to rheumatoid arthritis maps to a T-cell epitope shared by the HLA-Dw4 DR beta-1 chain and the Epstein-Barr virus glycoprotein gp110"
- [AD] ARTHRITIS & RHEUMATISM, vol. 30, no. 11, November 1987, pages 1205-1213, Am. Rheumatism Ass, NEW YORK, US; P.K. GREGERSEN et al.: "The shared epitope hypothesis"
- See references of WO 9014835A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9014835 A1 19901213; CA 2056450 A1 19901201; EP 0474764 A1 19920318; EP 0474764 A4 19921119; JP H05500653 A 19930212

DOCDB simple family (application)

US 9003038 W 19900531; CA 2056450 A 19900531; EP 90909247 A 19900531; JP 50882290 A 19900531