

## Title (en)

HUMAN MUCOSAL ADDRESSIN CELL ADHESION MOLECULE-1 (MAdCAM-1) AND SPLICE VARIANTS THEREOF

## Title (de)

Menschliches, Schleimhaut-spezifisches Addressin-Zelladhäsionsmolekül (MAdCAM-1) und dessen Spleissvarianten

## Title (fr)

MOLECULE 1 D'ADHERENCE CELLULAIRE D'ADRESSINE DE MUQUEUSE HUMAINE (MAdCAM-1) ET VARIANTS D'EPISSURE DE CETTE DERNIERE

## Publication

**EP 0948597 A4 20020710 (EN)**

## Application

**EP 96938720 A 19961101**

## Priority

US 9617549 W 19961101

## Abstract (en)

[origin: WO9820110A1] The present invention relates to novel MAdCAM-1 proteins designated herein as MAdCAM-1(a-e), which are cell adhesion molecules. In particular, isolated nucleic acid molecules are provided encoding the human MAdCAM-1(a-e) proteins. MAdCAM-1(a-e) polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of MAdCAM-1(a-e) activity. Also provided are diagnostic methods for detecting cancer or a pathological inflammatory condition, and therapeutic methods for treating an individual in need of a reduction in the activity of any of MAdCAM-1(a-e). In another aspect, the invention provides isolated genomic DNA molecules comprising the 5 exons which comprise the genes which encode any of MAdCAM-1(a-e), as well as the 5' flanking region which includes the promoter for these genes. In another aspect, the invention relates to a method of screening compounds for the ability to regulate expression of any of MAdCAM-1(a-e) from their promoter. The invention also relates to a method of selectively expressing genes on gut endothelia.

## IPC 1-7

**C12N 1/21**; **C12N 5/10**; **C12N 15/12**; **C12N 15/64**; **C12N 15/66**; **C12N 15/70**; **C12N 15/79**; **C07K 14/705**

## IPC 8 full level

**A61K 38/00** (2006.01); **A61K 39/395** (2006.01); **A61K 45/00** (2006.01); **A61P 29/00** (2006.01); **A61P 43/00** (2006.01); **C07K 14/705** (2006.01); **C07K 16/28** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12P 21/02** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01); **C12R 1/19** (2006.01)

## CPC (source: EP)

**A61P 29/00** (2017.12); **A61P 43/00** (2017.12); **C07K 14/70503** (2013.01); **A61K 38/00** (2013.01)

## Citation (search report)

- [E] WO 9725351 A2 19970717 - LEUKOSITE INC [US], et al
- [A] WO 9624673 A1 19960815 - LEUKOSITE INC [US], et al
- [A] WO 9413312 A1 19940623 - UNIV LELAND STANFORD JUNIOR [US]
- See references of WO 9820110A1

## Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

## DOCDB simple family (publication)

**WO 9820110 A1 19980514**; EP 0948597 A1 19991013; EP 0948597 A4 20020710; JP 2001503271 A 20010313

## DOCDB simple family (application)

**US 9617549 W 19961101**; EP 96938720 A 19961101; JP 52132098 A 19961101