

Title (en)  
DEFINING EPITOPES OF THE OUTER MEMBRANE PROTEIN CopB OF MORAXELLA CATARRHALIS

Title (de)  
DEFINIERENDE ÄUSSERES MEMBRANPROTEIN CopB EPITOPEN VON MORAXELLA CATARRHALIS

Title (fr)  
DEFINITION D'EPITOPES DE LA PROTEINE CopB DE MEMBRANE EXTERNE DE MORAXELLA CATARRHALIS

Publication  
**EP 0920513 A2 19990609 (EN)**

Application  
**EP 97939404 A 19970812**

Priority

- US 9714221 W 19970812
- US 2383296 P 19960812

Abstract (en)  
[origin: WO9806851A2] The present invention involves an analysis of the CopB outer membrane protein of M. catarrhalis. Four CopB antigens now have been sequenced and their predicted amino acid sequences compared. Regions of conservation and non-conservation have been identified in this antigen, including one non-conserved region that represents an antibody binding region from the strain 035E. A single amino acid change (N to D) in this epitope, at residue 295, abolishes reactivity of the antibody 10F3 with CopB. Peptides which only contain residues of this region that are C-terminal to residue 295 do retain reactivity but their reactivity is less than the maximal reactivity achieved in the presence of an asparagine at position 295. Compositions and both diagnostic and immunoprophylactic methods are disclosed.

IPC 1-7  
**C12N 15/31**; C07K 14/22; A61K 39/02; A61K 39/095; C07K 19/00; C07K 16/12; C12Q 1/68; C12Q 1/02

IPC 8 full level  
**C07K 14/21** (2006.01); **C12N 15/31** (2006.01); A61K 38/00 (2006.01); A61K 39/00 (2006.01)

CPC (source: EP)  
**C07K 14/212** (2013.01); A61K 38/00 (2013.01); A61K 39/00 (2013.01)

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

DOCDB simple family (publication)  
**WO 9806851 A2 19980219**; **WO 9806851 A3 19980507**; AU 4150097 A 19980306; AU 740481 B2 20011108; CA 2262748 A1 19980219; EP 0920513 A2 19990609

DOCDB simple family (application)  
**US 9714221 W 19970812**; AU 4150097 A 19970812; CA 2262748 A 19970812; EP 97939404 A 19970812