

Title (en)  
HLA-BINDING PEPTIDES AND THEIR USES

Title (de)  
HLA-BINDEPROTEINE UND DEREN VERWENDUNG

Title (fr)  
PEPTIDES DE LIAISON DE HLA ET LEURS APPLICATIONS

Publication  
**EP 1064022 A4 20040929 (EN)**

Application  
**EP 98910404 A 19980313**

Priority  
US 9805039 W 19980313

Abstract (en)  
[origin: WO9945954A1] The present invention provides the means and methods for selecting immunogenic peptides and the immunogenic peptide compositions capable of specifically binding glycoproteins encoded by HLA allele and inducing T cell activation in T cells restricted by the allele. The peptides are useful to elicit an immune response against a desired antigen.

IPC 1-7  
**A61K 39/29**; **A61K 39/00**; **C07K 7/00**; **C07K 14/02**; **C07K 14/82**

IPC 8 full level  
**C12N 15/09** (2006.01); **A61K 39/00** (2006.01); **A61K 39/29** (2006.01); **A61P 31/12** (2006.01); **A61P 35/00** (2006.01); **A61P 37/04** (2006.01); **C07K 7/00** (2006.01); **C07K 14/36** (2006.01); **C07K 14/705** (2006.01); **C12Q 1/02** (2006.01)

CPC (source: EP)  
**A61P 31/12** (2017.12); **A61P 35/00** (2017.12); **A61P 37/04** (2017.12); **C07K 14/36** (2013.01); **C07K 2317/10** (2013.01); **C07K 2319/00** (2013.01)

Citation (search report)

- [E] WO 9832456 A1 19980730 - EPIMMUNE INC [US], et al
- [XY] WO 9403205 A1 19940217 - CYTEL CORP [US]
- [XY] WO 9734617 A1 19970925 - CYTEL CORP [US]
- [Y] WO 9734621 A1 19970925 - CYTEL CORP [US]
- [Y] WO 9733602 A1 19970918 - CYTEL CORP [US]
- [Y] PARTIDOS C D ET AL: "Induction of measles virus-specific cytotoxic T-cell responses after intranasal immunization with synthetic peptides", IMMUNOLOGY, vol. 87, no. 2, 1996, pages 179 - 185, XP002279421, ISSN: 0019-2805
- [A] GREY H M ET AL: "CLASS I MHC-PEPTIDE INTERACTIONS: STRUCTURAL REQUIREMENTS AND FUNCTIONAL IMPLICATIONS", CANCER SURVEYS, OXFORD, GB, vol. 22, 1995, pages 37 - 49, XP008024840
- [A] ALTUVIA Yael ET AL: "A structure-based algorithm to predict potential binding peptides to MHC molecules with hydrophobic binding pockets", HUMAN IMMUNOLOGY, vol. 58, no. 1, November 1997 (1997-11-01), pages 1 - 11, XP002279422, ISSN: 0198-8859
- See references of WO 9945954A1

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 9945954 A1 19990916**; AU 6465598 A 19990927; CA 2323632 A1 19990916; EP 1064022 A1 20010103; EP 1064022 A4 20040929; JP 2002507397 A 20020312

DOCDB simple family (application)  
**US 9805039 W 19980313**; AU 6465598 A 19980313; CA 2323632 A 19980313; EP 98910404 A 19980313; JP 2000535367 A 19980313