

Title (en)  
IDENTIFICATION OF NOVEL IGE EPITOPES

Title (de)  
IDENTIFIKATION NEUER IGE-EPIPOPE

Title (fr)  
IDENTIFICATION DE NOUVEAUX EPITOPES IGE

Publication  
**EP 1718669 A4 20071010 (EN)**

Application  
**EP 04779424 A 20040729**

Priority  
• US 2004024360 W 20040729  
• US 2004002894 W 20040202  
• US 2004002892 W 20040202

Abstract (en)  
[origin: WO2005075504A1] The present invention relates to novel peptide epitopes derived from the CH3 domain of IgE which are recognized by high affinity antibodies that specifically bind IgE. These novel peptides may be used for both active immunization of a subject by administering these peptides to generate high affinity antibodies in a subject, as well as for generating high affinity anti-IgE antibodies in non-human hosts that specifically bind to these regions of IgE for passive immunization of a subject.

IPC 8 full level  
**A61K 39/00** (2006.01); **C07K 7/00** (2006.01); **C07K 16/18** (2006.01); **C07K 16/42** (2006.01)

CPC (source: EP KR)  
**A61K 39/0005** (2013.01 - EP); **A61K 39/0008** (2013.01 - EP); **A61P 11/02** (2017.12 - EP); **A61P 11/06** (2017.12 - EP); **A61P 17/00** (2017.12 - EP); **A61P 17/04** (2017.12 - EP); **A61P 37/04** (2017.12 - EP); **A61P 37/08** (2017.12 - EP); **C07K 7/00** (2013.01 - KR); **C07K 7/08** (2013.01 - KR); **C07K 16/28** (2013.01 - KR); **C07K 16/4291** (2013.01 - EP); **A61K 2039/505** (2013.01 - EP); **C07K 2317/24** (2013.01 - EP); **C07K 2317/55** (2013.01 - EP); **C07K 2317/567** (2013.01 - EP)

Citation (search report)  
• [XY] EP 1195161 A2 20020410 - PFIZER PROD INC [US]  
• [X] WO 0023477 A2 20000427 - UNIV SHEFFIELD [GB], et al  
• [X] EP 1262491 A2 20021204 - PFIZER PROD INC [US]  
• [X] EP 0263655 A2 19880413 - DAINIPPON PHARMACEUTICAL CO [JP], et al  
• [X] WO 0234288 A2 20020502 - SMITHKLINE BEECHAM BIOLOG [BE], et al  
• [X] WO 0074716 A2 20001214 - SMITHKLINE BEECHAM BIOLOG [BE], et al  
• [X] EP 0957111 A2 19991117 - IDEXX LAB INC [US]  
• [X] WO 03092714 A2 20031113 - GLAXOSMITHKLINE BIOLOG SA [BE], et al  
• [X] WO 0050461 A1 20000831 - SMITHKLINE BEECHAM BIOLOG [BE], et al  
• [X] WO 0216409 A2 20020228 - SMITHKLINE BEECHAM BIOLOG [BE], et al  
• [DY] CHANG T W ET AL: "MONOCLONAL ANTIBODIES SPECIFIC FOR HUMAN IGE-PRODUCING B CELLS A POTENTIAL THERAPEUTIC FOR IGE-MEDIATED ALLERGIC DISEASES", BIO-TECHNOLOGY (NEW YORK), vol. 8, no. 2, 1990, pages 122 - 126, XP009084134, ISSN: 0733-222X  
• [DY] MACGLASHAN D W ET AL: "DOWN-REGULATION OF FCEPSILONRI EXPRESSION ON HUMAN BASOPHILS DURING IN VIVO TREATMENT OF ATOPIC PATIENTS WITH ANTI-IGE ANTIBODY", JOURNAL OF IMMUNOLOGY, THE WILLIAMS AND WILKINS CO. BALTIMORE, US, vol. 158, 1997, pages 1438 - 1445, XP002930932, ISSN: 0022-1767  
• See references of WO 2005075504A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL HR LT LV MK

DOCDB simple family (publication)  
**WO 2005075504 A1 20050818**; AU 2004315197 A1 20050818; AU 2004315197 B2 20090604; AU 2009202408 A1 20090709; CA 2552999 A1 20050818; CN 102702359 A 20121003; EP 1718669 A1 20061108; EP 1718669 A4 20071010; JP 2008507474 A 20080313; KR 101365375 B1 20140219; KR 101562114 B1 20151120; KR 101581659 B1 20151231; KR 20070008578 A 20070117; KR 20120056297 A 20120601; KR 20130088198 A 20130807; KR 20140021058 A 20140219; SG 149892 A1 20090227; SG 183683 A1 20120927

DOCDB simple family (application)  
**US 2004024360 W 20040729**; AU 2004315197 A 20040729; AU 2009202408 A 20090616; CA 2552999 A 20040729; CN 201110343406 A 20040729; EP 04779424 A 20040729; JP 2006551035 A 20040729; KR 20067017609 A 20060831; KR 20127009917 A 20040729; KR 20137018993 A 20040729; KR 20147000238 A 20040729; SG 2009007063 A 20040729; SG 2012057212 A 20040729