

Title (en)
ANTI-FcRn ANTIBODIES FOR TREATMENT OF AUTO/ALLO IMMUNE CONDITIONS

Title (de)
ANTIKÖRPER GEGEN FCRN ZUR BEHANDLUNG VON AUTO-/ALLOIMMUNLEIDEN

Title (fr)
ANTICORPS ANTI-FcRn UTILISES DANS LE TRAITEMENT D'ETATS AUTO/ALLO-IMMUNS

Publication
EP 1986690 A4 20090513 (EN)

Application
EP 07762598 A 20070123

Priority
• US 2007001742 W 20070123
• US 76215106 P 20060125
• US 63467606 A 20061206

Abstract (en)
[origin: WO2007087289A2] Antibodies to heavy chain of human FcRn are provided which function as non- competitive inhibitors of IgG binding to FcRn. The antibodies may be polyclonal, monoclonal, chimeric or humanized, or antigen binding fragments thereof. These antibodies are useful for reducing the concentration of pathogenic IgGs in individuals and therefore used as a therapeutic tool in autoimmune and alloimmune conditions.

IPC 8 full level
A61K 39/395 (2006.01); **C07K 16/28** (2006.01); **C12P 21/08** (2006.01); **G01N 33/53** (2006.01); **G01N 33/563** (2006.01); **G01N 33/564** (2006.01); **G01N 33/577** (2006.01)

CPC (source: EP)
A61P 7/04 (2017.12); **A61P 11/00** (2017.12); **A61P 17/00** (2017.12); **A61P 21/04** (2017.12); **A61P 25/00** (2017.12); **C07K 16/283** (2013.01); **A61K 2039/505** (2013.01); **C07K 2317/24** (2013.01); **C07K 2317/34** (2013.01)

Citation (search report)
• [PX] WO 2006118772 A2 20061109 - JACKSON LAB [US], et al
• [Y] WO 2005013912 A2 20050217 - UNIV NEW YORK STATE RES FOUND [US], et al
• [Y] STORY C M ET AL: "A MAJOR HISTOCOMPATIBILITY COMPLEX CLASS I-LIKE FC RECEPTOR CLONED FROM HUMAN PLACENTA: POSSIBLE ROLE IN TRANSFER OF IMMUNOGLOBULIN G FROM MOTHER TO FETUS", JOURNAL OF EXPERIMENTAL MEDICINE, ROCKEFELLER UNIVERSITY PRESS, JP, vol. 180, 1 December 1994 (1994-12-01), pages 2377 - 2381, XP002943093, ISSN: 0022-1007
• [A] AKILESH SHREERAM ET AL: "The MHC class I-like Fc receptor promotes humorally mediated autoimmune disease", JOURNAL OF CLINICAL INVESTIGATION, AMERICAN SOCIETY FOR CLINICAL INVESTIGATION, US, vol. 113, no. 9, 1 May 2004 (2004-05-01), pages 1328 - 1333, XP002417288, ISSN: 0021-9738
• [A] HANSEN R J ET AL: "Pharmacokinetic/pharmacodynamic modeling of the effects of intravenous immunoglobulin on the disposition of antiplatelet antibodies in a rat model of immune thrombocytopenia", JOURNAL OF PHARMACEUTICAL SCIENCE, AMERICAN PHARMACEUTICAL ASSOCIATION, WASHINGTON.; US, vol. 92, no. 6, 1 June 2003 (2003-06-01), pages 1206 - 1215, XP009109898, ISSN: 0022-3549
• [A] YU ET AL: "MECHANISM OF INTRAVENOUS IMMUNE GLOBULIN THERAPY IN ANTIBODY-MEDIATED AUTOIMMUNE DISEASES", NEW ENGLAND JOURNAL OF MEDICINE, THE MASSACHUSETTS MEDICAL SOCIETY, WALTHAM, MA, US, vol. 340, no. 3, 21 January 1999 (1999-01-21), pages 227/228, XP008055851, ISSN: 0028-4793
• [A] RAGHAVAN M ET AL: "ANALYSIS OF THE PH DEPENDENCE OF THE NEONATAL FC RECEPTOR/IMMUNOGLOBULIN G INTERACTION USING ANTIBODY AND RECEPTOR VARIANTS", BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY, EASTON, PA.; US, vol. 34, no. 45, 1 January 1995 (1995-01-01), pages 14649 - 14657, XP009044243, ISSN: 0006-2960
• [A] RAGHAVAN MALINI ET AL: "The class I major histocompatibility complex related Fc receptor shows pH-dependent stability differences correlating with immunoglobulin binding and release", BIOCHEMISTRY, vol. 32, no. 33, 1993, pages 8654 - 8660, XP002520215, ISSN: 0006-2960
• See references of WO 2007087289A2

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

DOCDB simple family (publication)
WO 2007087289 A2 20070802; **WO 2007087289 A3 20081009**; CA 2637929 A1 20070802; EP 1986690 A2 20081105; EP 1986690 A4 20090513; JP 2009524664 A 20090702

DOCDB simple family (application)
US 2007001742 W 20070123; CA 2637929 A 20070123; EP 07762598 A 20070123; JP 2008552358 A 20070123