

INFORME DE BÚSQUEDA DE PATENTES PARA EL No de Radicación: 14-0082234-00000-0000						
CRITERIOS PARA LA BÚSQUEDA (anexar pantallazo o reporte en PDF, junto con los boleanos utilizados)						
Palabras clave utilizadas		Antibody agonists, antibody fragment that binds IL – 17, inflammatory diseases, CTLA-8, cytotoxic T-lymphocyte-associated serine esterase 8				
CLASIFICACIONES INTERNACIONALES UTILIZADAS PARA LA BÚSQUEDA		A61K39/395				
BASES DE DATOS CONSULTADAS.						
NCBI		Patbase				
Google/patents		The lens				
Patentscope		ClustaW				
INFORMES DE EXÁMENES REALIZADOS EN OTRAS OFICINAS (documentos patentes, literatura no patente etc...)						
Oficina	Fecha del examen o de reporte de búsqueda de documentos	Anterioridades encontradas para el examen o reportados en el examen de búsqueda(relacionarlos todos)	Reiv. afectada s	RELEVANCIA (requisito que afecta)	FUERON TENIDOS EN CUENTA PARA EL EXAMEN EN LA OFICINA COLOMBIANA	
					SI	NO
EPO	02/Febrero/2011	US 2007/0196371	1-3,16, 23-69	Nivel Inventivo		X
		US 2007/080174	1-3,16, 23-69	Nivel Inventivo		X
		US 2008/0269467	1-3,16, 23-69	Nivel inventivo	X	
		WO 2002/005608	32-36, 54-57	Nivel inventivo		X
DOCUMENTOS ADICIONALES ENCONTRADOS POR EL EXAMINADOR DE ACUERDO A LOS CRITERIOS DE BÚSQUEDA.						
WO2007070750						
WO2006054059						
WO2008001063						
WO2007117749						
WARK K L <i>et al</i> , "Latest technologies for the enhancement of antibody affinity", ADVANCED DRUG DELIVERY REVIEWS, ELSEVIER, AMSTERDAM, NL, 20060807, vol. 58, no. 5-6, Pag. 657 - 670 1,3-16 p.						
Chabaud <i>et al</i> ., "Enhancing effect of IL-1, IL-17, and TNF-a on macrophage inflammatory protein-3a production in rheumatoid arthritis: regulation by soluble receptors and Th2 cytokines," J. Immunol., 167: 60156020 (2001)						
LUBBERTS <i>et al</i> . 'Treatment with a neutralizing anti-murine interleukin-17 antibody after the onset of collagen-induced arthritis reduces joint inflammation, cartilage destruction, and bone erosion' ARTHRITIS RHEUM. vol. 50, 2004, pages 650 - 659						
RATHANASWAMI <i>et al</i> , "Demonstration of an in vivo generated sub-picomolar affinity fully human monoclonal antibody to interleukin-8", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, 20050909, vol. 334, no. 4, Pag. 1004 - 1013 1,3-16 p.						
BÚSQUEDA DE SECUENCIAS						
Número de depósito / patente y N° de secuencia						
% de identidad						
SEQ ID NO (de la solicitud)	NCBI	CLUSTALW	EMBL-EBI	DDJB	Genome Quest	
SEQ ID NO 40		93% de identidad con la SE ID NO:42				
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3	TAC=((ANTIBODIES~ OR ANTIBODY~) AND (INMUNOGLOBULIN~ OR INMUNOGLOBULINS-17~))	54	View Browse Hits Optimise more...
2	TAC=((BINDING~ PROTEIN~ OR PROTEINS~) AND IL-17~)	695	View Browse Hits Optimise more...
1	TAC=((ANTIBODIES~ OR ANTIBODY~) AND IL-17~)	724	View Browse Hits Optimise more...

Anti-il-17 antibodies



www.google.com.co/EP1963368817cl... - Traducir esta página
Concedida - Presentada el 5 Dic 2006 - Entida el 18 Jul 2012 - Barrett Alan - Bi Lilly And Company
Anti-IL-17 antibodies are identified that are characterized as having a high affinity and slow off rate for human IL-17. The antibodies of the ...
[Descripción general](#) - [Resultados relacionados](#) - [Foro de debate](#)

Anti-tnf-anti-il-17 bispecific antibodies



www.google.com.co/WO2014137961... - Traducir esta página
Solicitada - Presentada el 4 Mar 2014 - Fecha de publicación: 12 Sep 2014 - Barrett Alan - Bi Lilly And Company
Bispecific antibodies are provided that specifically bind both Tumor Necrosis Factor alpha (TNF) and Interleukin-17 (IL-17). The bispecific ...
[Descripción general](#) - [Resultados relacionados](#) - [Foro de debate](#)

IL-17 antibody formulation



www.google.com.co/WO2013134052... - Traducir esta página
Solicitada - Presentada el 1 Mar 2013 - Fecha de publicación: 12 Sep 2013 - Vincent John CORVARI - Bi Lilly And Company
The present invention provides stabilized pharmaceutical formulations for anti-IL-17 antibodies, comprising e.g. citrate, sodium chloride and ...
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Antibodies against human il17 and uses thereof



www.google.com.co/WO2014161570... - Traducir esta página
Solicitada - Presentada el 3 Abr 2013 - Fecha de publicación: 9 Oct 2014 - Johannes Auer - Roche Glycart Ag
The present invention relates to antibodies against human IL17A (IL17 antibody), methods for their production, pharmaceutical compositions ...
[Descripción general](#) - [Resultados relacionados](#) - [Foro de debate](#)

Anti-baff-anti-il-17 bispecific antibodies



www.google.com.co/WO2013158577... - Traducir esta página
Solicitada - Presentada el 16 Abr 2013 - Fecha de publicación: 24 Oct 2013 - Barrett Alan - Bi Lilly And Company
Bispecific antibodies are provided that specifically bind B-cell Activating Factor of the TNF Family (BAFF) and Interleukin-17A (IL-17) and are ...
[Descripción general](#) - [Resultados relacionados](#) - [Foro de debate](#)

IL-17 antagonist antibodies



www.google.com.co/WO2014001368... - Traducir esta página
Solicitada - Presentada el 25 Jun 2013 - Fecha de publicación: 3 Ene 2014 - Giles Alberici - Oregis Biotech
The disclosure relates to antibodies against human IL-17 which act as antagonist of IL-17, and their use in the diagnosis or treatment of IL-17 ...
[Descripción general](#) - [Resultados relacionados](#) - [Foro de debate](#)

IL-17 antibody inhibitor for treating dry eye



www.google.com.co/WO2010062858... - Traducir esta página
Solicitada - Presentada el 23 Nov 2009 - Fecha de publicación: 3 Jun 2010 - Michael E. Stern - Alegron, Inc.
Disclosed herein is a method of treating dry eye with an IL-17 antibody.
[Descripción general](#) - [Resultados relacionados](#) - [Foro de debate](#)

IL-17 antagonistic antibodies



www.google.com.co/EP1776142B17cl... - Traducir esta página
Concedida - Presentada el 4 Ago 2005 - Entida el 27 Jul 2011 - Padova Franco E. Di - Novartis AG
An IL-17 binding molecule, in particular an antibody to human IL-17, more preferably a human antibody to IL-17 is provided, wherein the ...

BINDING PROTEIN IL-17

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IL-17 binding proteins

 www.google.com.co/.../EP2403531A2?cl=... - Traducir esta página
Solicitada - Presentada el 5 Mar 2010 - Fecha de publicación: 11 Ene 2012 - Chung-Ming Hsieh - Abbott Laboratories
Proteins that bind IL-17 and/or IL-17F are described along with their use in composition and methods for treating, preventing, and diagnosing ...
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IL-17 binding proteins

 www.google.com.co/patents/EP2772268A2?cl=en
Solicitada - Presentada el 5 Mar 2010 - Fecha de publicación: 3 Sep 2014 - Chung-Ming Hsieh - Abbvie Inc.
Proteins that bind IL-17 and/or IL-17F are described along with their use in composition and methods for treating, preventing, and diagnosing ...
Descripción general - Resultados relacionados - Foro de debate

IL-17 binding proteins

 www.google.com.co/patents/US8835610
Concedida - Presentada el 5 Mar 2010 - Entida el 16 Sep 2014 - Chung-Ming Hsieh - Abbvie Inc.
Proteins that bind IL-17 and/or IL-17F are described along with their ...
Descripción general - Resultados relacionados - Foro de debate

Use of il-17 receptor a antigen binding proteins

 www.google.com.co/.../WO2011046958... - Traducir esta página
Solicitada - Presentada el 12 Oct 2010 - Fecha de publicación: 21 Abr 2011 - David Andrew Martin - Amgen Inc.
The present invention relates to IL-17 Receptor A (IL-17RA or IL-17R) antigen binding proteins, such as antibodies, polynucleotide sequences ...
Descripción general - Resultados relacionados - Foro de debate

IL-17 binding proteins

 www.google.com.co/patents/EP2810652A2?cl=en
Solicitada - Presentada el 5 Mar 2010 - Fecha de publicación: 10 Dic 2014 - Chung-Ming Hsieh - Abbvie Inc.
Proteins that bind IL-17 and/or IL-17F are described along with their use in composition and methods for treating, preventing, and diagnosing ...
Descripción general - Resultados relacionados - Foro de debate

IL-17 receptor a antigen binding proteins

 www.google.com.co/.../CA2663537C?cl=... - Traducir esta página
Concedida - Presentada el 1 Oct 2007 - Entida el 24 Feb 2015 - Joel Toole - Amgen Inc.
The present invention relates to IL-17 Receptor A (IL-17RA or IL-17R) antigen binding proteins, such as antibodies, polynucleotide sequences ...
Descripción general - Resultados relacionados - Foro de debate

IL-17受体a抗原结合蛋白 IL-17 receptor a protein antigen bi...

 www.google.com.co/patents/CN103214576B?cl=en
Concedida - Presentada el 1 Oct 2007 - Entida el 3 Jun 2015 - 托克 L - 麒麟-安特利有限公司
The present invention relates to IL-17 receptor A (IL-17RA or IL-17R) antigen binding proteins such as antibodies, the antigen binding protein ...
Descripción general - Resultados relacionados - Foro de debate

[HTML](#) IL-17 in synovial fluids from patients with rheumatoid arthritis is a potent stimulator of osteoclastogenesis

[HTML](#) de nih.gov

S Kotake, N Udagawa, N Takahashi... - Journal of Clinical ..., 1999 - ncbi.nlm.nih.gov
... For double staining, anti-IL-17 antibody (R&D Systems Inc.) and CD4, CD8, and CD45RO (DAKO A/S, Glostrup, Denmark) were used as primary antibodies at 1:300 and 1:50 dilutions, respectively, with incubation overnight at 4°C. For the secondary antibody, anti-goat IgG ...
Citado por 1313 Artículos relacionados Las 10 versiones Citar Guardar

[HTML](#) TGF β in the context of an inflammatory cytokine milieu supports de novo differentiation of IL-17-producing T cells

[HTML](#) de sciencedirect.com

M Veldhoen, RJ Hocking, CJ Atkins, RM Locksley... - Immunity, 2006 - Elsevier
... However, in a DC-free system, addition of the Th1/Th2 blocking antibody cocktail could not substitute for ... the finding that addition of anti-TGF β 1 to cultures containing DC prevented the appearance of IL-17-producing T cells despite the presence of neutralizing antibodies to IL ...
Citado por 2959 Artículos relacionados Las 25 versiones Citar Guardar

Treatment with a neutralizing anti-murine interleukin-17 antibody after the onset of collagen-induced arthritis reduces joint inflammation, cartilage destruction, and ...

[HTML](#) de wiley.com

E Lubberts, M Koenders... - Arthritis & ..., 2004 - Wiley Online Library
... 40). Therefore, we speculate that the difference in affinity for IL-17 between the IL-17R-Fc and the anti-murine IL-17 antibodies may be an important reason for the higher efficacy using the anti-IL-17 antibody. Affinity studies ...
Citado por 613 Artículos relacionados Las 9 versiones Citar Guardar

[HTML](#) Antigen-specific T cell sensitization is impaired in IL-17-deficient mice, causing suppression of allergic cellular and humoral responses

[HTML](#) de sciencedirect.com

S Nakae, Y Komiya, A Nambu, K Sudo, M Iwase... - Immunity, 2002 - Elsevier
... Impaired CHS Response in IL-17^{-/-} Mice. (A) TNP-specific antibody production during CHS response. Three days after the challenge with TNCB, sera were collected and antibody levels were measured by ELISA. (B) Vascular permeability in CHS response. ...
Citado por 849 Artículos relacionados Las 8 versiones Citar Guardar

Therapeutic efficacy of IL-17 neutralization in murine experimental autoimmune encephalomyelitis

HH Hofstetter, SM Ibrahim, D Koczan, N Kruse... - Cellular ..., 2005 - Elsevier
... CSF) or for 48 h (IL-4, IL-5). After washing with PBS, detection antibodies were added ... rat anti-mouse IL-17-biotin, (TC11-8H4.1, Pharmingen) was used for IL-17, rat anti ... The plate bound second antibody was then visualized by adding streptavidin-alkaline phosphatase (SAV-AP ...
Citado por 374 Artículos relacionados Las 5 versiones Citar Guardar

A novel heterodimeric cytokine consisting of IL-17 and IL-17F regulates inflammatory responses

[HTML](#) de nature.com

SH Chang, C Dong - Cell research, 2007 - nature.com
... Identity of the IL-17 Flag /F His heterodimer was confirmed by western blotting with anti-IL-17 and anti-IL-17F antibodies (Figure 2A). Figure 2. ... Purified proteins were run on SDS-PAGE and immunoblotted with anti-IL-17 or anti-IL-17F antibody. ...
Citado por 205 Artículos relacionados Las 8 versiones Citar Guardar

IL-17 is increased in asthmatic airways and induces human bronchial fibroblasts to produce cytokines

[HTML](#) de jacionline.org

S Molet, Q Hamid, F Davoineb, E Nutku... - Journal of Allergy and ..., 2001 - Elsevier
... Bedford, Mass) and blocked overnight with TBS-T (100 mmol/L Tris pH7.5, 0.9% NaCl, 0.1% Tween-20) complemented with 4% nonfat dry milk. Thereafter, the membrane was incubated for 1 hour at room temperature with the polyclonal goat anti-human IL-17 antibody (diluted 1 ...

[HTML](#) Phagocytosis of apoptotic neutrophils regulates granulopoiesis via IL-23 and IL-17

[HTML](#) de sciencedirect.com

MA Stark, Y Huo, TL Burcin, MA Morris, TS Olson... - Immunity, 2005 - Elsevier
... Adoptive transfer of wild-type, but not adhesion molecule-deficient, neutrophils into mice deficient in β 2 integrins transiently decreases neutrophilia and reduces levels of serum IL-17. Antibody blockade of the p40 subunit of IL-23 reduces neutrophil numbers in wild-type mice. ...
Citado por 525 Artículos relacionados Las 15 versiones Citar Guardar

[PDF](#) IL-23 induces human osteoclastogenesis via IL-17 in vitro, and anti-IL-23 antibody attenuates collagen-induced arthritis in rats

[PDF](#) de biomedcentral.com

T Yago, Y Nanke, M Kawamoto, T Furuya... - Arthritis Res ..., 2007 - biomedcentral.com
Abstract This study demonstrates that IL-23 stimulates the differentiation of human osteoclasts from peripheral blood mononuclear cells (PBMC). Furthermore, in vivo blockade of endogenous IL-23 activity by treatment with anti-IL-23 antibody attenuates collagen- ...
Citado por 141 Artículos relacionados Las 16 versiones Citar Guardar Más

Interleukin (IL)-22 and IL-17 are coexpressed by Th17 cells and cooperatively enhance expression of antimicrobial peptides

[HTML](#) de rupress.org

SC Liang, XY Tan, DP Luxenberg, R Karim... - The Journal of ..., 2006 - jem.rupress.org
... and Th2 (40-fold) differentiation as compared with Th0, activation with IL-17-inducing conditions ... then restimulated with OVAp, IL-2, irradiated splenocytes, and combinations of cytokines and antibodies. ... The use of a neutralizing antibody to TGF- β indicated that endogenous TGF ...
Citado por 1437 Artículos relacionados Las 11 versiones Citar Guardar

IL-17 as a future therapeutic target for rheumatoid arthritis

WB van den Berg, P Miossec - Nature Reviews Rheumatology, 2009 - nature.com
... More than one pharmaceutical company has independently developed a neutralizing monoclonal **antibody** to human IL-17, and the marked efficacy of these **antibodies** has already been noted in patients with psoriasis. Phase ...
Citado por 200 Artículos relacionados Las 7 versiones Citar Guardar

[HTML] de nature.com

Role of IL-17 and regulatory T lymphocytes in a systemic autoimmune disease

J Lohr, B Knoechel, JJ Wang, AV Villarino... - The Journal of ..., 2008 - jem.rupress.org
... **Antibodies** were used as FITC, PE, PE-Cy7, PE-Cy5.5, allophycocyanin, or peridinin chlorophyll protein conjugates. Fo-block (anti-CD16/CD32) was added before staining. ... Anti-IL-17 **antibody** (M210) was provided by Amgen or obtained from R&D Systems (clone 50104). ...
Citado por 218 Artículos relacionados Las 9 versiones Citar Guardar

[HTML] de rupress.org

Increased expression of interleukin 17 in inflammatory bowel disease

S Fujino, A Andoh, S Bamba, A Ogawa, K Hata, Y Araki... - Gut, 2003 - gut.bmj.com
... specific for T cells), anti-CD68 (specific for monocytes/macrophages), and anti-IL-17 **antibodies** (fig 3 ... J). Cells showing coexpression of IL-17 and CD3 (C, I) or IL-17 and CD68 ... The specificity of each **antibody** was confirmed by negative reactivity of subclass matched normal IgG ...
Citado por 1193 Artículos relacionados Las 8 versiones Citar Guardar

[HTML] de bmj.com

Human interleukin-17

M Chabaud, JM Durand, N Buchs, F Fossiez... - Arthritis Rheum, 1999 - dendritics.net
... washing, the sections were incubated with biotinylated mouse anti-goat IgG **anti-body** for 30 ... For double staining with anti-IL-17 and anti-CD3, the previous single staining was ... hydrogen peroxide, then by incubation with a rabbit anti-CD3 polyclonal **antibody** (Dako), biotinylated ...
Citado por 817 Artículos relacionados Las 5 versiones Citar Guardar Más

[PDF] de dendritics.net

IL-17 and Th17 cells in human inflammatory diseases

P Miossec - Microbes and Infection, 2009 - Elsevier
... Conversely, inhibition with specific inhibitors including blocking **antibodies** and soluble receptor, provided protection from inflammation and destruction [24]. ... Using the first available monoclonal **antibody** blocking human IL-17, such production was reduced by two-thirds. ...
Citado por 194 Artículos relacionados Las 5 versiones Citar Guardar

Hepatic IL-17 responses in human and murine primary biliary cirrhosis

RYZ Lan, TL Salunga, K Tsuneyama, ZX Lian... - Journal of ..., 2009 - Elsevier
... The following **antibodies** were used for the detection of IL-17 in human liver specimens: rabbit polyclonal **antibody** against IL-17 (Santa Cruz Biotechnology, Inc, CA, USA; 1:100 dilution), anti-human IL-17 **antibody** (R & D Systems, Inc, MN, USA; 1:100 dilution) and Envision ...
Citado por 171 Artículos relacionados Las 9 versiones Citar Guardar

[HTML] de nih.gov

IL-17 family cytokines and the expanding diversity of effector T cell lineages

CT Weaver, RD Hatton, PR Mangan... - Annu. Rev. ..., 2007 - annualreviews.org
... subunit of IL-12 (IL12p40 or IL12b) or in mice treated with IL-12p40-specific neutralizing **antibodies** (72-74 ... These results confirmed a new role for IL-17-producing effector cells (later termed Th17) in ... Administration of neutralizing **antibody** specific for IL-23 proved an effective the.
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[PDF] de uc.pt