

Title (en)  
TIE COMPLEX BINDING PROTEINS

Title (de)  
TIE-KOMPLEX-BINDENDE PROTEINE

Title (fr)  
PROTÉINES DE LIAISON AU COMPLEXE TIE

Publication  
**EP 1789451 A4 20091202 (EN)**

Application  
**EP 05784935 A 20050809**

Priority  
• US 2005028413 W 20050809  
• US 91684004 A 20040812  
• US 2004026116 W 20040812  
• US 4953605 A 20050202

Abstract (en)  
[origin: WO2006020706A2] Tie1 and Tie2 are receptor tyrosine kinase proteins that include a transmembrane domain. Tie1 and Tie2 are present on endothelial cells. This disclosure describes agents, such as antibodies, that bind to Tie1, Tie2, and Ang, including ones that inhibit endothelial cell activity and angiogenesis. The agents can be used to treat angiogenesis-associated disorders.

IPC 8 full level  
**A61K 39/395** (2006.01); **A61P 35/00** (2006.01); **C07H 21/04** (2006.01); **C07K 16/28** (2006.01)

CPC (source: EP)  
**A61P 9/00** (2017.12); **A61P 35/00** (2017.12); **C07K 16/2863** (2013.01); **G01N 33/574** (2013.01); **A61K 2039/505** (2013.01); **A61K 2039/507** (2013.01); **C07K 2317/21** (2013.01); **C07K 2317/55** (2013.01); **C07K 2317/565** (2013.01); **C07K 2317/567** (2013.01); **C07K 2317/73** (2013.01); **C07K 2317/75** (2013.01); **C07K 2317/76** (2013.01); **C07K 2317/92** (2013.01); **G01N 2333/705** (2013.01); **G01N 2333/91215** (2013.01)

Citation (search report)  
• [X] US 5955291 A 19990921 - ALITALO KARI [FI], et al  
• [PX] WO 2005019267 A2 20050303 - DYAX CORP [US], et al  
• [X] JOSTOCK T ET AL: "Rapid generation of functional human IgG antibodies derived from Fab-on-phage display libraries", JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V.,AMSTERDAM, NL, vol. 289, no. 1-2, 1 June 2004 (2004-06-01), pages 65 - 80, XP004520880, ISSN: 0022-1759  
• [PX] DRANSFIELD: "Targeting tie1 inhibits the growth of tumor xenografts as a monotherapy and has increased activity in combination with a VEGF inhibitor", EUROPEAN JOURNAL OF CANCER SUPPLEMENTS, vol. 4, no. 12, 28 September 2004 (2004-09-28), XP002550532, Retrieved from the Internet <URL:http://ex2.excerptamedica.com/ciw-04ena/index.cfm?fuseaction=CIS2002&hoofdnv=Abstracts&content=abs.details&what=AUTHOR&searchtext=huang&topicselected=\*&selection=ABSTRACT&qryStartRowDer [retrieved on 20091014]  
• [A] SIEMEISTER G ET AL: "TWO INDEPENDENT MECHANISMS ESSENTIAL FOR TUMOR ANGIOGENESIS: INHIBITION OF HUMAN MELANOMA XENOGRAFT GROWTH BY INTERFERING WITH EITHER THE VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR PATHWAY OR THE TIE-2 PATHWAY", CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD., US, vol. 59, no. 13, 1 July 1999 (1999-07-01), pages 3185 - 3191, XP000971187, ISSN: 0008-5472  
• [A] TAKAGI HITOSHI ET AL: "Potential role of the angiopoietin/tie2 system in ischemia-induced retinal neovascularization.", INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE JAN 2003, vol. 44, no. 1, January 2003 (2003-01-01), pages 393 - 402, XP002550533, ISSN: 0146-0404  
• [T] STEUKERS M ET AL: "Rapid kinetic-based screening of human Fab fragments", JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V.,AMSTERDAM, NL, vol. 310, no. 1-2, 20 March 2006 (2006-03-20), pages 126 - 135, XP025158202, ISSN: 0022-1759, [retrieved on 20060320]  
• See references of WO 2006020706A2

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 2006020706 A2 20060223; WO 2006020706 A3 20061012**; AU 2005272848 A1 20060223; AU 2005272848 A2 20060223; CA 2576886 A1 20060223; EP 1789451 A2 20070530; EP 1789451 A4 20091202; JP 2008532476 A 20080821

DOCDB simple family (application)  
**US 2005028413 W 20050809**; AU 2005272848 A 20050809; CA 2576886 A 20050809; EP 05784935 A 20050809; JP 2007525760 A 20050809