

Title (en)
CODOMINANCE-MEDIATED TOXINS

Title (de)
KODOMINANZ-KONTROLLIERTE TOXINE

Title (fr)
TOXINES CONTROLEES PAR CODOMINANCE

Publication
EP 0812204 A4 20000503 (EN)

Application
EP 96907881 A 19960228

Priority
• US 9602271 W 19960228
• US 39743595 A 19950301

Abstract (en)
[origin: WO9626733A1] Disclosed is a new class of therapeutic reagents referred to as codominance-mediated toxins. These reagents include (1) an effector domain; (2) a first codominant signaling moiety located proximately to a binding domain for a first protein; and (3) a second codominant signaling moiety located proximately to a binding domain for a second protein. The ability to mask and unmask the signaling moiety by the binding of intracellular reagents, and the codominance of signaling moieties are exploited to design a novel class of reagents having previously unattainable selectivity.

IPC 1-7
A61K 38/00; C07H 17/00; C07K 14/00; C12P 21/06; C12N 5/00; C12N 15/00; C12N 15/62; C07K 19/00

IPC 8 full level
C12N 15/09 (2006.01); **A61K 38/43** (2006.01); **A61K 48/00** (2006.01); **A61P 35/00** (2006.01); **C07K 19/00** (2006.01); **C12N 15/62** (2006.01)

CPC (source: EP)
A61P 35/00 (2017.12); **C07K 19/00** (2013.01); **C12N 15/62** (2013.01); **C07K 2319/09** (2013.01); **C07K 2319/55** (2013.01); **C07K 2319/95** (2013.01)

Citation (search report)
• [XY] WO 9418332 A2 19940818 - US HEALTH [US]
• [Y] WO 9118096 A1 19911128 - MASSACHUSETTS INST TECHNOLOGY [US]
• [Y] WO 8909829 A2 19891019 - MASSACHUSETTS INST TECHNOLOGY [US]
• [XDY] VITETTA E S ET AL: "Immunotoxins: magic bullets or misguided missiles ?.", IMMUNOLOGY TODAY, (1993 JUN) 14 (6) 252-9. REF: 51, XP002130421
• [XY] COOK J P ET AL: "BIOLOGICALLY ACTIVE INTERLEUKIN 2-RICIN A CHAIN FUSION PROTEINS MAY REQUIRE INTRACELLULAR PROTEOLYTIC CLEAVAGE TO EXHIBIT A CYTOTOXIC EFFECT", BIOCONJUGATE CHEMISTRY,US,AMERICAN CHEMICAL SOCIETY, WASHINGTON, vol. 4, no. 6, 1 November 1993 (1993-11-01), pages 440 - 447, XP000417282, ISSN: 1043-1802
• [A] JOHNSON E S ET AL: "Ubiquitin as a degradation signal.", EMBO JOURNAL, (1992 FEB) 11 (2) 497-505., XP002130422
• See references of WO 9626733A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9626733 A1 19960906; AU 5132996 A 19960918; EP 0812204 A1 19971217; EP 0812204 A4 20000503; JP H11502407 A 19990302

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US 9602271 W 19960228; AU 5132996 A 19960228; EP 96907881 A 19960228; JP 52630796 A 19960228