

Title (en)

HUMAN MONOCLONAL ANTIBODIES AND METHODS FOR HUMAN MONOCLONAL ANTIBODY PRODUCTION.

Title (de)

MENSCHLICHE MONOKLONALE ANTIKÖRPER UND VERFAHREN ZUR HERSTELLUNG VON MENSCHLICHEN MONOKLONALEN ANTIKÖRPERN.

Title (fr)

ANTICORPS MONOCLONAUX HUMAINS ET PROCEDES DE PRODUCTION D'ANTICORPS MONOCLONAUX HUMAINS.

Publication

EP 0651819 A1 19950510 (EN)

Application

EP 93908394 A 19930318

Priority

- US 9302479 W 19930318
- US 85608892 A 19920320

Abstract (en)

[origin: WO9319197A1] An immortalized cell line that produces antigen-specific human monoclonal antibody is described as well as methods for making this cell line. The cell line is derived from fusion of a human chromosome containing heterohybrid fusion partner with peripheral blood lymphocytes of a first seropositive donor. A mixed lymphocyte response is generated by incubating the peripheral blood lymphocytes in the presence of allogeneic lymphocytes. When the selected antigen is included in the incubation mixture, the peripheral blood lymphocytes of the first seropositive donor form secondary lymphoblast cells which are fused to the heterohybrid fusion partner. The resulting secondary immune response generates monoclonal antibodies of high affinity. A cell line which produces monoclonal human anti-IgE antibody is disclosed.

IPC 1-7

C12P 21/08; **C12N 5/28**; **C12N 5/20**

IPC 8 full level

C12N 15/02 (2006.01); **C07K 16/00** (2006.01); **C07K 16/08** (2006.01); **C07K 16/12** (2006.01); **C07K 16/18** (2006.01); **C07K 16/30** (2006.01); **C07K 16/42** (2006.01); **C12N 5/16** (2006.01); **C12N 5/26** (2006.01); **C12N 5/28** (2006.01); **C12P 21/08** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)

C07K 16/4291 (2013.01); **C12N 5/163** (2013.01); **C12N 5/166** (2013.01)

Citation (search report)

See references of WO 9319197A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

WO 9319197 A1 19930930; AU 3923293 A 19931021; EP 0651819 A1 19950510; JP H07507923 A 19950907

DOCDB simple family (application)

US 9302479 W 19930318; AU 3923293 A 19930318; EP 93908394 A 19930318; JP 51671993 A 19930318