

Title (en)  
EX VIVO ACTIVATION OF IMMUNE CELLS

Title (de)  
DIE EX VIVO AKTIVIERUNG VON IMMUNZELLEN

Title (fr)  
ACTIVATION EX VIVO DES CELLULES IMMUNES

Publication  
**EP 0804550 A4 19980805 (EN)**

Application  
**EP 95906781 A 19950106**

Priority  

- US 9500193 W 19950106
- US 18826294 A 19940127
- US 21440094 A 19940316
- US 30098294 A 19940906

Abstract (en)  
[origin: WO9520649A1] Disclosed is a process of activating patient-derived mononuclear cells by exposing the cells in vitro to substances to generate immunoreactive cells. The ex vivo activated cells are then reinfused into the patient to enhance the immune system to treat various forms of cancer, infectious diseases, autoimmune diseases or immune deficiency diseases.

IPC 1-7  
**C12N 5/08; A61K 121/00**

IPC 8 full level  
**A61K 35/14** (2006.01); **A61K 35/15** (2015.01); **C07K 16/00** (2006.01); **C12N 5/0783** (2010.01)

CPC (source: EP)  
**A61K 39/461** (2023.05); **A61K 39/4611** (2023.05); **A61K 39/4621** (2023.05); **A61K 39/46433** (2023.05); **A61K 39/4644** (2023.05); **A61K 39/464838** (2023.05); **C07K 16/00** (2013.01); **C12N 5/0636** (2013.01); **A61K 2239/31** (2023.05); **A61K 2239/38** (2023.05); **A61K 2239/56** (2023.05); **C12N 2501/01** (2013.01); **C12N 2501/515** (2013.01); **C12N 2502/11** (2013.01)

Citation (search report)  

- [A] WO 9300918 A1 19930121 - OCHOA AUGUSTO C [US], et al
- [A] WO 9217567 A1 19921015 - UNIV MINNESOTA [US]
- [X] ROSS S.D. ET AL.: "Autolymphocytes therapy (ALT) for disseminated melanoma: results in a pilot study of 26 patients", PROC ANN MEET AM SOC CLIN ONCOL, vol. 12, March 1993 (1993-03-01), pages a1326, XP002066052
- [PX] GOLD J E ET AL: "Adoptively transferred ex vivo activated memory T cells with cyclophosphamide: Effective tumor-specific chemoimmunotherapy of advanced metastatic murine melanoma and carcinoma.", CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY 73 (1). 1994. 115-122, XP002066053
- [PX] GOLD J E ET AL: "Autolymphocyte therapy: II. Dependence of in vivo anti-tumor specificity and long-term immunity against murine melanoma and carcinoma on ex vivo activated donor memory T-cells.", CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY 71 (3). 1994. 325-332, XP002066054
- See also references of WO 9520649A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**WO 9520649 A1 19950803**; AU 1524095 A 19950815; EP 0804550 A1 19971105; EP 0804550 A4 19980805

DOCDB simple family (application)  
**US 9500193 W 19950106**; AU 1524095 A 19950106; EP 95906781 A 19950106