

Title (en)
MONOCLONAL ANTIBODIES IN VACCINE FORMULATIONS.

Title (de)
MONOKLONALE ANTIKÖRPER IN IMPFSTOFFFORMULIERUNGEN.

Title (fr)
ANTICORPS MONOCLONAUX DANS DES COMPOSITIONS DE VACCINS.

Publication
EP 0344211 A4 19900312 (EN)

Application
EP 88902682 A 19880219

Priority

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- US 15669188 A 19880217

Abstract (en)
[origin: WO8806040A1] Vaccine formulations which provide for active or passive immunity against infection by pathogens. The active component of the vaccines of the present invention comprises a monoclonal antibody or a fragment of the monoclonal antibody which contains the idiotype of the molecule. Vaccine formulations which provide for active immunization of a host against a particular pathogen, are prepared using monoclonal antibodies or idiotypic fragments that bear the conformational image of a specific receptor of the pathogen. Vaccine formulations which provide for passive immunity are prepared from anti-idiotypic antibodies or idiotypic fragments thereof that bear the conformational image of a ligand that binds specifically to a receptor of the pathogen. In either approach, the pathogen is not required to prepare the antibody which comprises the active component of the vaccine formulation.

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Citation (search report)

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- [Y] EP 0142345 A2 19850522 - SYNBIOTICS CORP [US]
- [E] WO 8801304 A1 19880225 - UNIV COLUMBIA [US]
- [XP] EUROPEAN JOURNAL OF IMMUNOLOGY, vol. 17, 1987, pages 365-370, Verlagsgesellschaft mbH, Weinheim, DE; G. COLUCCI et al.: "Interactions between hepatitis B virus and polymeric human albumin. I Production of monoclonal anti-idiotypes (anti-anti-polymeric human albumin) which recognize hepatitis B virus surface antigen"
- [XP] EUROPEAN JOURNAL OF IMMUNOLOGY, vol. 17, 1987, pages 371-374, Verlagsgesellschaft mbH, Weinheim, DE; G. COLUCCI et al.: "Interactions between hepatitis B virus and polymeric human serum albumin II. Development of syngeneic monoclonal anti-anti-idiotypes which mimic hepatitis B surface antigen in the induction of immune responsiveness"
- [X] THE JOURNAL OF IMMUNOLOGY, vol. 137, no. 9, 1st November 1986, pages 2937-2944, The American Association of Immunologists, US; J.S. McDOUGAL et al.: "Binding of the human retrovirus HTLV-III/LAV/ARV/HIV to the CD4 (T4) molecule: conformation dependence, epitope mapping, antibody, inhibition, and potential for idiotypic mimicry"
- See also references of WO 8806040A1

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