

Title (en)

METHOD FOR EXPANDING PRIMATE B CELLS SELECTIVELY IN IMMUNOCOMPROMISED MICE AND PRODUCING LARGE NUMBERS OF ANTIGEN-SPECIFIC B LYMPHOCYTES FOR THE PRODUCTION OF PRIMATE MONOCLONAL ANTIBODIES

Title (de)

VERFAHREN ZUR EXPANSION VON PRIMAT B-ZELLEN SELEKTIV IN IMMUNITÄTSBEEINSTRÄCHTIGTEN MÄUSE UND PRODUKTION VON HOHER ANZAHL AN ANTIGENSPEZIFISCHE B-LYMPHOZYTEN FÜR DIE PRODUKTION VON PRIMAT MONOKLONALE ANTIKÖRPER

Title (fr)

PROCEDE PERMETTANT D'AUGMENTER DES LYMPHOCYTES B DE PRIMATES CHEZ LA SOURIS IMMUNODEPRIMEE, ET DE PRODUIRE DE GRANDS NOMBRES DE LYMPHOCYTES B SPECIFIQUES DE L'ANTIGENE POUR LA PRODUCTION D'ANTICORPS MONOCLONAUX DE PRIMATES

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Abstract (en)

[origin: WO960846A1] The present invention relates to a method for reconstituting immunocompromised mice with primate cells, consisting of the following steps: (a) preparation of an immunocompromised mouse by administration of an antibody against the beta chain of the mouse interleukin 2 (IL-2) receptor, more particularly the monoclonal mouse TM- beta 1 monoclonal antibody and/or gamma irradiation, (b) intraspleen injection of primate cells into the spleen of the pre-treated immunocompromised mouse of step (a), where these primate cells preferably originate from a primate donor and where this primate donor may have been immunised with a well-defined antigen. This method was found to be highly suitable for expanding primate B lymphocytes in an animal model in a rapid, as yet unequalled manner. Other embodiments of this invention relate to immunocompromised mice obtained by the aforesaid method and also the use thereof as animal models, primate B cell culture produced and primate monoclonal antibodies derived therefrom.

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