Title (en)

TRANSGENIC MODEL COMPRISING TCR ALPHA AND BETA CHAINS

Title (de)

TCR ALPHA- UND BETA-KETTEN ENTHALTENDES TRANSGENMODELL

Title (fr)

MODELE TRANSGENIQUE COMPRENANT DES CHAINES TCR ALPHA/BETA

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Application

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Abstract (en)

[origin: WO9916867A1] The invention provides a genetically modified non-human mammal having a population of CD4 positive T cells specific for one or a limited number of selected antigens, including at least one transplantation antigen capable of rejecting a tissue transplant containing the transplantation antigen and if applicable the other selected antigens. A genetically modified animal according to the invention has T cell receptor genes which encode a T cell receptor specific for the transplantation antigen. The genetically modified mammal is useful in studying immunological tolerance, in particular in the mechanisms of tolerance to and the rejection of tissue grafts, and in pregnancy. The animals are also useful for testing agents for biological activity in promoting or reducing immunological tolerance.

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