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(54) Title: RECOMBINANT METHOD FOR THE PRODUCTION OF A MONOCLONAL ANTIBODY TO CD52 FOR THE TREATMENT OF CHRONIC LYMPHOCYTIC LEUKEMIA

(57) Abstract: The present invention relates to the recombinant method used for the production of soluble form monoclonal antibody that binds to CD52. The procedure describes the de novo synthesis of the nucleic acid sequence encoding anti-CD 52, transformation of the constructed nucleic acid sequences into competent bacteria and the sub-cloning of the same into mammalian expression vectors for expression of the desired protein. DNA constructs comprising the control elements associated with the gene of interest has been disclosed. The nucleic acid sequence of interest has been codon optimized to permit expression in the suitable mammalian host cells.

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