ABSTRACT

GANGLIOSIDE-ASSOCIATED RECOMBINANT ANTIBODIES AND THE USE THEREOF IN THE DIAGNOSIS AND TREATMENT OF TUMORS

The invention relates to the obtention of genetically-engineered antibodies from 1E10 (AcMai1E10) anti-idiotype thereof, which is produced by hybridoma ECACC 97112901, with the purpose of obtaining antibodies which have the same recognition properties as the originals but which are less immunogenic. The chimaeric antibody contain the variable domains of murine immunoglobulin and the constant regions of human immunoglobulin. The humanized antibodies, in addition to containing the constant regions of human immunoglobulin, are modified in the murine frameworks (FRs) region and in particular, in those areas that can be converted into a T-cell antigenic site, as a result of which some FRS positions are human. Said antibodies can be use for the diagnosis and therapy of different types of tumours.

Figures 6 to 10