Title (en)
HUMANISED ANTIBODY TO INTEGRIN CHAIN BETA-1

Title (de)
HUMANISIERTER ANTIKÖRPER GEGEN DIE BETA 1 KETTE VON INTEGRINEN

Title (fr)
ANTICORPS HUMANISE DIRIGE CONTRE LA CHAINE BETA 1 DES INTEGRINES

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Application
EP 95930574 A 19950912

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Abstract (en)
[origin: WO9608564A1] Variable domains of a non-human immunoglobulin are humanised by selecting DNA sequences coding for the variable domains of a human immunoglobulin wherein the amino acid sequence of the framework regions of variable domains VH and VL is 70-95 % homologous with the amino acid sequence of the framework regions of variable domains VH and VL of non-human immunoglobulin, and wherein hypervariable loops H1 and H2 or L1, L2 and L3 have the same kind of canonical structure as hypervariable loops H1 and H2 or L1, L2 and L3, respectively, of non-human immunoglobulin, and by replacing the oligonucleotide sequences coding for the CDRs of human immunoglobulin with oligonucleotide sequences coding for the corresponding CDRs of non-human immunoglobulin. The cloning, in a baculovirus, of DNA fragments that code for said humanised variable domains, and the expression of the resulting humanised recombinant antibody, are also disclosed. Murine monoclonal antibody K20 has thus been humanised and expressed according to the Invention.

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