

Title (en)

ANTIGEN BINDING FRAGMENTS, DESIGNATED 4B5, THAT SPECIFICALLY DETECT CANCER CELLS, NUCLEOTIDES ENCODING THE FRAGMENTS, AND USE THEREOF FOR THE PROPHYLAXIS AND DETECTION OF CANCERS

Title (de)

ANTIGENBINDUNGSFRAGMENTE, GENANNT 4B5, DIE SPEZIFISCH KREBSZELLEN NACHWEISEN, NUKLEOTIDE DIE FÜR DIESE FRAGMENTE KODIEREN, UND DEREN VERWENDUNG ZUR VORBEUGUNG UND ZUM NACHWEIS VON KREBS

Title (fr)

FRAGMENTS DE LIAISON ANTIGENIQUES DESIGNES PAR 4B5, QUI DETECTENT SPECIFIQUEMENT LES CELLULES CANCEREUSES, NUCLEOTIDES CODANT LESDITS FRAGMENTS ET LEUR UTILISATION POUR LA PROPHYLAXIE ET LA DETECTION DES CANCERS

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Abstract (en)

[origin: WO9902545A2] The present invention relates to monoclonal antibody 4B5 and antigen binding fragments that specifically bind to the antibodies specific for GD2. Also disclosed are polynucleotide and polypeptide derivatives based on 4B5, including single chain V region molecules and fusion proteins, and various pharmaceutical compositions. When administered to an individual, the 4B5 antibody is effective in diagnosing, and/or treating neoplasias. The invention further provides methods for treating a neoplastic disease, particularly melanoma, neuroblastoma, glioma, soft tissue sarcoma, and lung carcinomas. Patients who are in remission as a result of traditional modes of cancer therapy can be treated with a composition of this invention in hopes of reducing the risk of recurrence. Patients can also be treated concurrently with the antibodies and traditional anti-neoplastic agents.

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