

Title (en)
COMPOSITIONS AND METHODS OF THERAPY FOR CANCERS CHARACTERIZED BY EXPRESSION OF THE TUMOR-ASSOCIATED ANTIGEN MN/CA IX

Title (de)
ZUSAMMENSETZUNGEN UND VERFAHREN ZUR BEHANDLUNG VON KREBS, CHARAKTERISIERT DURCH EXPRESSION DES TUMORASSOZIIERTEN ANTIGENS MN/CA IX

Title (fr)
COMPOSITIONS ET PROCEDES THERAPEUTIQUES CONTRE LES CANCERS CARACTERISES PAR L'EXPRESSION DE L'ANTIGENE MN/CA IX ASSOCIE AUX TUMEURS

Publication
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Application
EP 03749129 A 20030825

Priority
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Abstract (en)
[origin: WO2004017923A2] Compositions and methods useful in inhibiting proliferation of CA IX + preneoplastic or neoplastic cells in a mammal are provided. The compositions are antagonist anti-CA IX antibodies and other inhibitory agents that target carbonic anhydrase activity of CA IX on these cells. The antagonist anti-CA IX antibodies or antigen-binding fragments thereof are specifically reactive with an inhibitory epitope of CA IX or biologically active variant thereof. Formation of an antibody-antigen complex between the antagonist anti-CA IX antibodies or antigen-binding fragments thereof and the respective inhibitory epitopes results in inhibition of carbonic anhydrase activity of CA IX or biologically active variant thereof. Other small molecule agents that inhibit carbonic anhydrase activity of CA IX or biologically active variant thereof and screening assays for identifying such agents are also provided. The antagonist anti-CA IX antibodies, antigen-binding fragments thereof, and other CA IX inhibitory agents identified herein are useful in the treatment of cancers characterized by the expression of the CA IX tumor-associated antigen.

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C07K 16/00

IPC 8 full level
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Citation (search report)
• [X] WO 0024913 A2 20000504 - BAYER AG [US], et al
• See references of WO 2004017923A2

Citation (examination)
J. SAARNIO ET EL.: "Immunohistochemical study of colorectal tumors for expression of a novel transmembrane carbonic anhydrase, MN/CA IX, with potential value as a marker of cell proliferation.", AMERICAN JOURNAL OF PATHOLOGY, vol. 153, no. 1, 1998, pages 279 - 285

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