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(54) Title: ANTI-GCC ANTIBODY MOLECULES AND USE OF SAME TO TEST FOR SUSCEPTIBILITY TO GCC-TARGETED THERAPY

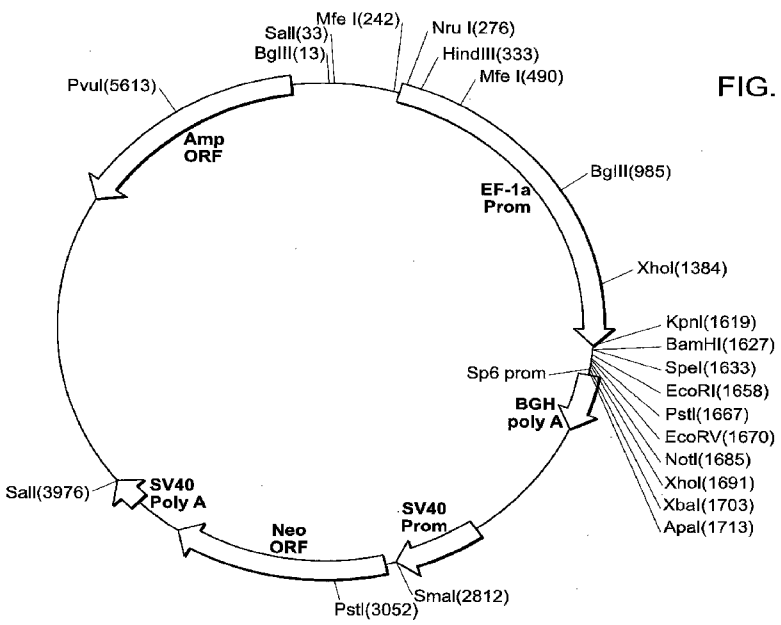


FIG. 1

(57) Abstract: Antibodies and antigen-binding fragments of antibodies that bind GCC are disclosed. The invention also provides diagnostic methods for identifying patients who should receive a GCC-targeted therapy utilizing the anti-GCC antibodies provided herein. The anti-GCC antibody molecules are useful as naked antibody molecules and as components of immunoconjugates. Accordingly, in another aspect, the invention features immunoconjugates comprising an anti-GCC antibody molecule describd herein and a therapeutic agent or label. The invention also features methods of using the anti-GCC antibody molecules and immunoconjucates described herein, e.g., for detection of GCC and of cells or tissues that express GCC. Such methods are useful, inter alia, for diagnosis, prognosis, imaging, or staging of a GCC-mediated disease. Accordingly, in some aspects, the invention features methods of identifying a subject for treatment with a GCC- targeted therapy, e.g., an anti-GCC antibody therapy, e.g., an immunoconjugate comprising an anti-GCC antibody conjugated with a therapeutic agent.

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