HUMAN MONOCLONAL ANTIBODIES TO FUCOSYL-GM1 AND METHODS FOR USING ANTI-FUCOSYL-GM1 ANTIBODIES

ABSTRACT

The present disclosure provides isolated monoclonal antibodies, particularly human monoclonal antibodies that specifically bind to Fucosyl-GM1 with high affinity. Nucleic acid molecules encoding the antibodies of this disclosure, expression vectors, host cells and methods for expressing the antibodies of this disclosure are also provided. Immunoconjugates, bispecific molecules and pharmaceutical compositions comprising the antibodies of this disclosure are also provided. This disclosure also provides methods for detecting Fucosyl-GM1, as well as methods for treating various diseases, including cancer, using anti-Fucosyl-GM1 antibodies.

Figure 16 B