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# Anti-fucosyl-GM1 Monoclonal Antibody BMS-986012

National Cancer Institute

## Source

National Cancer Institute. *Anti-fucosyl-GM1 Monoclonal Antibody BMS-986012*. NCI Thesaurus. Code C118443.

A monoclonal antibody directed against the ganglioside fucosyl-GM1, with potential antineoplastic and immunomodulating activities. Upon administration, anti-fucosyl-GM1 monoclonal antibody BMS-986012 binds to fucosyl-GM1 on cancer cells and may activate both antibody-dependent cellular cytotoxicity (ADCC) and complement-dependent cytotoxicity against the bound tumor cells. This may inhibit the proliferation of GM1-expressing tumor cells. Fucosyl-GM1, a sphingolipid monosialoganglioside and tumor associated antigen (TAA), is overexpressed on the surface of many cancer cells while its expression is minimal or non-existent in normal tissues.