

Anti-Fucosyl GM1 Reference Antibody (BMS-986012)
Recombinant Antibody
Catalog # APR10696**Specification**

Anti-Fucosyl GM1 Reference Antibody (BMS-986012) - Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q10981
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145.9 KDa

Anti-Fucosyl GM1 Reference Antibody (BMS-986012) - Additional Information**Target/Specificity**
Fucosyl GM1**Endotoxin**
< 0.001EU/ µg,determined by LAL method.**Conjugation**
Unconjugated**Expression system**
CHO Cell**Format**
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Anti-Fucosyl GM1 Reference Antibody (BMS-986012) - Protein Information****Name** FUT2 ([HGNC:4013](#))**Synonyms** SEC2**Function**
Catalyzes the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the terminal galactose on both O- and N- linked glycans chains of cell surface glycoproteins and glycolipids and the resulting epitope regulates several processes such as cell-cell interaction including host-microbe interaction, cell surface expression and cell proliferation (PubMed:12692541, PubMed:7876235, PubMed:8018146). Preferentially fucosylates gangliosides GA1 and GM1 in the antrum, cecum and colon and in the female reproductive organs (By similarity). Fucosylated host glycoproteins or glycolipids mediate interaction with intestinal microbiota influencing its composition (PubMed:21625510, PubMed:22068912, PubMed:24733310). Creates a soluble precursor oligosaccharide FuC-alpha ((1,2)Galbeta-) called the H antigen which is an essential substrate for the final step in the soluble ABO blood group antigen synthesis pathway (PubMed:7876235).

Cellular Location

Golgi apparatus, Golgi stack membrane; Single- pass type II membrane protein.

Note=Membrane-bound form in trans cisternae of Golgi

Tissue Location

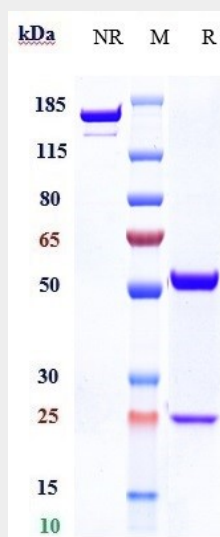
Small intestine, colon and lung.

Anti-Fucosyl GM1 Reference Antibody (BMS-986012) - Protocols

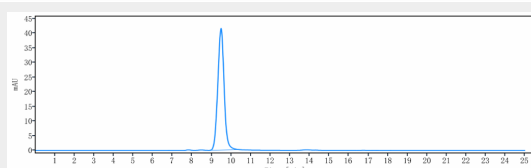
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Fucosyl GM1 Reference Antibody (BMS-986012) - Images



Anti-Fucosyl GM1 Reference Antibody (BMS-986012) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-Fucosyl GM1 Reference Antibody (BMS-986012) is more than 100% ,determined by SEC-HPLC.