

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

Recombinant Antibody

Catalog # APR10696

## Product Information

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<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">Q10981</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	39017

## Additional Information

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<b>Target/Specificity</b>	Fucosyl GM1
<b>Endotoxin</b>	
<b>Conjugation</b>	Unconjugated
<b>Expression system</b>	CHO Cell
<b>Format</b>	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

## Protein Information

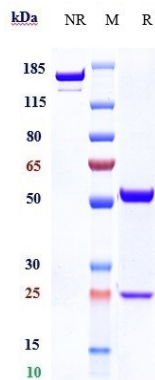
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<b>Name</b>	FUT2 ( <a href="#">HGNC:4013</a> )
<b>Synonyms</b>	SEC2
<b>Function</b>	Catalyzes the transfer of L-fucose, from a guanosine diphosphate-beta-L-fucose, to the terminal galactose on both O- and N- linked glycans chains of cell surface glycoproteins 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: <a href="#">12692541</a> , PubMed: <a href="#">7876235</a> , PubMed: <a href="#">8018146</a> ). 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: <a href="#">21625510</a> , PubMed: <a href="#">22068912</a> , PubMed: <a href="#">24733310</a> ). 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: <a href="#">7876235</a> ).
<b>Cellular Location</b>	Golgi apparatus, Golgi stack membrane; Single- pass type II membrane protein. Note=Membrane-bound form in trans cisternae of Golgi

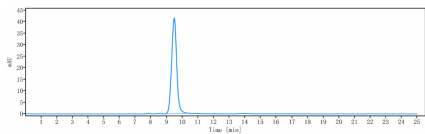
Tissue Location

Small intestine, colon and lung.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.